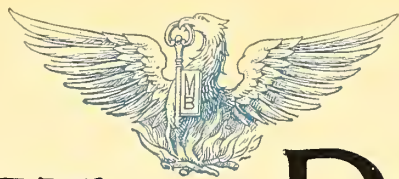




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The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

No. 3069
VOL. CXXIX

DECEMBER 3, 1938

Annual Subscription (with
Diary) 20/- Single Copies 9d.

DISPLAY THIS DISTINCTIVE CUT-OUT

DURING THE NEXT SIX MONTHS ALLENBURYS GLYCERINE AND BLACK CURRANT PASTILLES WILL BE EXTENSIVELY ADVERTISED. LINK UP WITH THIS ADVERTISING BY DISPLAYING THE DISTINCTIVE CUT-OUT ILLUSTRATED.

IT WILL INCREASE YOUR SALES

Allenbury's PASTILLES
For your throat

2 oz. 8" 4 oz. 1/3 8 oz. 2/3

MADE FROM THE JUICE OF FRESH RIPE BLACKCURRANTS AND PURE GLYCERINE

DON'T FORGET TO BUY ON BONUS TERMS.

Telephone: Bishopgate 3201 (12 lines)
Telegrams: "Greenburys Beth London"

ALLEN & HANBURYS Ltd., LONDON, E.2

A Profitable Pharmaceutical Lozenge

THAT WILL
SELL NOW

MENTHOLATED
BRONCHIAL
LOZENGES
PARKE, DAVIS & CO LONDON.

SEND
for
TERMS

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Show Elasto — IT Sells on Sight!



One Shilling and Threepence Profit on Every Sale!

ELASTO Advertising is Nation-wide and Consistent. An ever-increasing demand for this product is being created at your very door; a slight effort on your part will bring this new and profitable business to your counter. A showcard or a few Elasto cartons displayed in your window will bring most gratifying results. You can recommend Elasto with confidence for: Varicose Veins, Bad-Leg, Hardened Arteries, Heart Troubles, Bad Circulation, etc. A Tablet Remedy, easy to handle and reliable.

Retail Price 5/- per pkt. Wholesale 45/- per doz.

P.A.T.A.



SHOW MATERIAL GLADLY SENT FREE ON REQUEST

The NEW ERA TREATMENT CO. LTD.

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Our Xmas Gift Display

For your Xmas Gift requirements, either personal or for resale, we have an extensive display of most seasonable gift items.

You are cordially invited to visit our Showrooms to inspect the large and well-varied range of Perfumes (the latest and most popular makes), Coffrets, Clocks, Brush Sets, Manicure Sets, Sprays, Ladies' Hand Bags, Cut Glass, Pottery Ware, Enamel, Ebony, Pewter, Shell and Silver Goods ; Cameras, etc.

WOOLLEY'S

Early attendance is advisable, as many of the items cannot be repeated.

JAMES WOOLLEY SONS & CO., LTD., Victoria Bridge, MANCHESTER, 3



IMPORTANT NOTICE

TO THE TRADE

★ *Lucozade* ★

APPOINTMENT OF MACLEANS LTD. AS SOLE SELLING & DISTRIBUTING AGENTS

Kindly note that Messrs. Lucozade Limited have appointed Messrs. Macleans Limited, of Great West Road, Brentford, to be sole selling and distributing agents for 'Lucozade' from 1st December, 1938.

From this date all communications and orders for 'Lucozade' should be sent to Messrs. Macleans Limited (address below).

More forceful merchandising and advertising is to be put behind 'Lucozade' in addition to soundly directed propaganda among the medical profession.

We thank you in anticipation of your continued co-operation.

MACLEANS LIMITED, GREAT WEST ROAD, BRENTFORD, MIDDLESEX.

Telephone : Ealing 6616. Telegrams : Macleans, Brentford.

EXTRACTS

TINCTURES RESINOIDS
OLEO-RESINS MEDICINAL RESINS

ALOIN, CASCARIN, ERGOTIN,
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LEPTANDRIN, EUONYMIN, HAMAMELIN,
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EXTRACTS OF ERGOT, CASCARA,
LIQUORICE, IPECACUANHA

LACTUCARIUM, STYRAX,
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WILLIAM RANSOM & SON

ESTABLISHED 1846

Ltd.

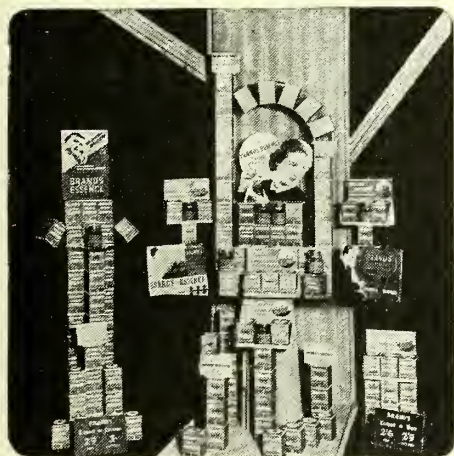
Manufacturing Chemists
HITCHIN *near* **LONDON**

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[Continued overleaf.]

BRAND'S *special* **WINDOW DISPLAY SERVICE** will



The display incorporates dummy packs, the new Brand's Display Unit, showcards, crownors, price tickets, etc., on a background of dark brown and orange panels.



BRAND & Co. Ltd.

Mayfair Works, Vauxhall, London, S.W.8

*focus attention on your shop
— sell more Brand's Essence
without cost*

Brand's Essence is being extensively advertised—demand is high—and an attractive window will focus attention on your shop and increase your sales.

We have made arrangements with a nation-wide Window Dressing Service whereby, without costing you a penny, your window can be dressed with a Brand's Essence Display, designed by experts. The service is free to any chemist who has in stock one dozen bottles or tins of Brand's Essence.

Take full advantage of the service and the advertising. Fix a date and send the coupon below—giving us at least 14 days' notice. We will confirm the booking and forward you the necessary material. Have your windows cleared first thing on the date agreed upon—a dresser will call and instal the display with a minimum of inconvenience.

Remember, with winter here, colds, illness and influenza rife, the demand for Brand's Essence is at its peak point. So fix your display date now and be sure of quick profits.

BOOK YOUR DATE NOW! Please arrange for a Brand's Essence display to be installed in these premises, without cost to us, from until

Name

Address

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CAUSTIC POTASH (Sticks, Pellets, Flakes)

MENTHOL, Synthetic Recryst.

TERPINEOL, LICINOL,

THYMOL CRYST. B.P.

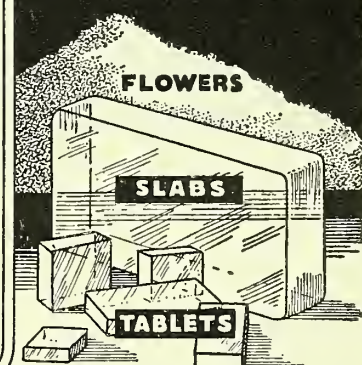
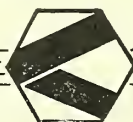
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Grams : 'Scheropha,' Phone, London



100% PROFIT MARGUERITE REGISTERED TRADE MARK COLD CREAM

RETAIL 6^D JAR **3/-** TRADE DOZ. JARS
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OBTAINABLE ONLY FROM YOUR USUAL WHOLESALE HOUSE
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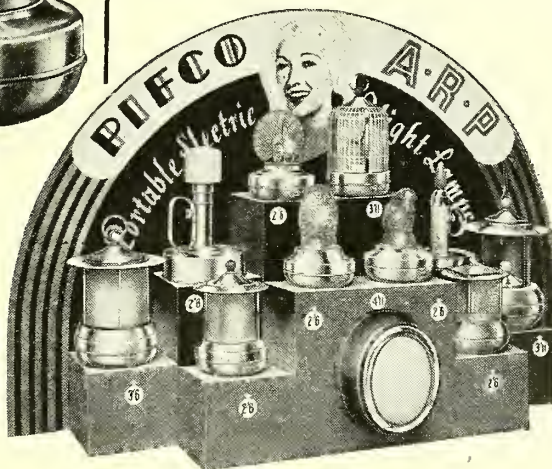


11 DIFFERENT DESIGNS

The attractive range of Pifco Night Lamps includes eleven different *exclusive* designs of unusual appeal.

SUPPLIES ON
DEMAND

BRIGHTEN YOUR XMAS SALES with these Artistic Lamps



Pifco Portable Electric Night Lamps make good gifts always and are extremely good profit-makers at Christmas. Display them and they sell. Everyone is attracted by their usefulness, novelty and artistic designs. Don't miss opportunities for profitable gift sales offered by these popular lamps.

FREE DISPLAY STAND

Striking display stand in Pifco colours with eleven new designs in Pifco Portable Electric Night Lamps, each complete with bulb and battery.

Retail value of lamps - - 32/9
NETT TRADE, with Stand - 22/11

Order today! One for counter
and one for window display.



From all wholesalers, or direct, but if convenient call and see the entire range at:

PIFCO LTD., Pifco House, Watling Street, Manchester
or at Pifco House, 53 City Road, London, E.C.1

Caradium

HAIR RESTORER

The Recognised Preparation for Restoring Grey Hair. IT IS NOT A DYE

CARADIUM enjoys a wonderful popularity with the Public as a unique preparation that is really SAFE and EFFECTIVE for restoring the colour to grey or faded hair. It contains radio active water that ensures success when other treatments fail.

CARADIUM is NATIONALLY ADVERTISED. Make sure you have sufficient stocks of this seller.

Retail prices 4/- and 7/6. Wholesale, 25% allowed on $\frac{1}{2}$ Dozen and over.

CARADIUM REGD., 38 GT. SMITH STREET, WESTMINSTER, LONDON, S.W.1

**Hurry for
Christmas
stocks of the
WONDERFUL
NEW SHAVER!**

*The Razor that
clean shaves the
first time*

The only dry-shave razor with revolving blades—it gives the only truly perfect shave. 2 heads are supplied—extra one for moustache or as a depilator for women. Sells on sight. Get stocks right away... big national advertising is creating big Christmas demand. Make sure YOU benefit.



There is nothing like a **PACKARD
ROTO SHAVER**

Write NOW for terms and stock

We are the Sole Distributors in the U.K. for the Packard Roto-Shaver.
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BRAND

FIRST-AID DRESSINGS

The most advertised
First-Aid line

T.J. SMITH & NEPHEW, Ltd.

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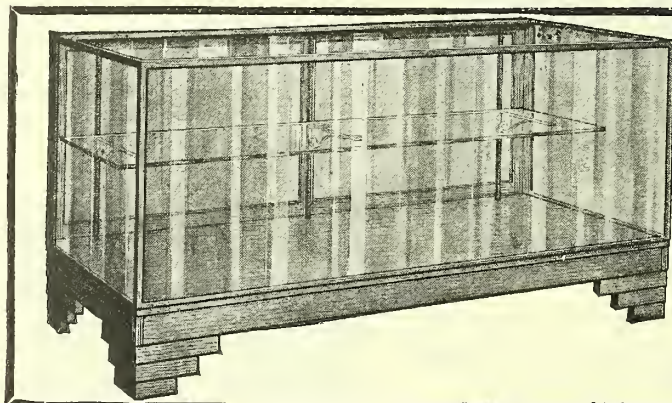
SOUTHALLS SAN TOWELS

WRAPPED in plain brown paper parcel—with carrying string and...
PACKED IN CARTONS for you to display.

"CELTEX" SOLUBLE
6 for 6d. and 12 for 1/-
1/2 · 1/6 · 2/-



ALSO MAKERS OF 'ORIGINAL' & 'K'SAN' TOWELS



BUY DIRECT from THE ACTUAL MAKERS

No. C.D. 5260R. Glass Counter. 6 ft. long
× 3 ft. high × 2 ft. deep. Glazed $\frac{1}{4}$ -in. drawn
plate glass, sliding glass doors at back. One
row of 12-in. glass shelves.

Polished Light Oak, £8.15.0

Mahogany finish . . . £9.0.0

Carriage extra

May we send you our latest 84-page Catalogue
No. CD 1820?

DUDLEY & COMPANY LTD.

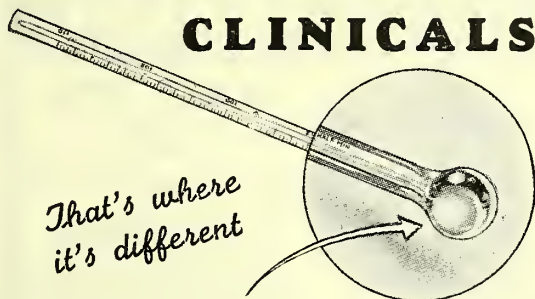
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City Showrooms: 65 FORE STREET E.C.

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Reg. No. 815689

CLINICALS



SALES ARE RAPIDLY INCREASING FOR THIS NEW POPULAR CLINICAL

An eminent Doctor has said :

"There is no reason why the Diska Bulb should not in a short time replace any other type ; it is far the most satisfactory clinical thermometer I have ever used."

OBTAINABLE AT FIXED PRICES FROM ALL WHOLESALE HOUSES

3

IMPORTANT ANNOUNCEMENT

'SUMMIT' Hypodermic Needle now ALL-BRITISH

The sole manufacturing rights of the 'SUMMIT' hypodermic needle having been taken over by S. and R. J. Everett and Company Limited, it is now entirely British.

EXCLUSIVE FEATURES OF 'SUMMIT' :

- (1) **EASY TO WIRE.**
Cleaning wire can be conveniently inserted through the mount due to a flared cone running down the needle bore.
- (2) **FIRM SILKY FIT.**
Ensured by a soft durable metal seating to a specially reinforced mount (Pat. 7359).
- (3) **EASY TO ATTACH.**
The shape of the 'Summit' mount enables it to be firmly gripped between the thumb and forefinger.
- (4) **LEGIBLE NUMBERING.**
Owing to the shape and construction of the mount, the needle size is cast on it in very legible characters.
- (5) **APPEARANCE.**
The special metal with which the mount is made retains a perfect appearance throughout the life of the needle.

'SUMMIT' Needles

From all Surgical Instrument Suppliers

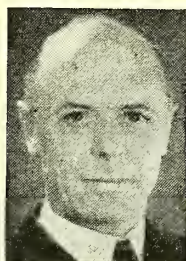
Manufacturers and Wholesale Suppliers :

S. & R. J. EVERETT & CO. LTD., THORNTON HEATH, SURREY
Telephone : Thornton Heath 3252-3. Telegrams : Hypodermic, Croydon

To manufacturers of pharmaceutical and beauty products

**Yesterday in France
To-day in England**

A personal message from J. E. CROSS



Some of the products distributed by me in France which have become household words in that country.

**KRUSCHEN SALTS
DIGESTIF RENNIE
DR. WILLIAMS
PINK PILLS
KARSWOOD
DOG POWDERS
MILTON TAMPAX**

I have come back to England with the intention of building up in my own country a similar organisation to the one I have created in France, which has been responsible for the success over there of many world-famous lines. Capable representatives visiting the chemists, detail men calling upon doctors, display experts installing window shows, fully equipped laboratories with manufacturing and packing facilities, a special statistical department supplying full details of Sales and Advertising returns in each district. . . . Are you interested in securing the service of such an organisation here in England? It will be available to a very limited number of products. Write or telephone for an appointment : J. E. Cross, Brettenham House, Lancaster Place, W.C.2. Temple Bar 6786.

You can recommend
HOSEZENE *with confidence*

High standards of manufacture secure for you repeat sales without difficulty.

HOSEZENE Sterilised Accouchement Sets, Sanitary Towels and Belts, Baby Pants, Nursing Aprons and Cotton Wool are all produced from the best quality materials and show good profits.

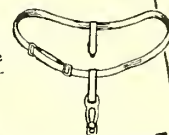
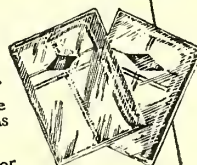
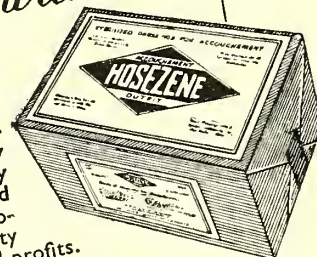
HOSEZENE Sanitary Towels are supplied in 3 forms :—

PERFECT with the knitted cover and loop ends. Retail at 1/- and 2/9 per dozen.

SOLUBLE packed in cartons of one dozen to sell at 1/- to 1/6 per dozen. Has no equal for easy disposal.

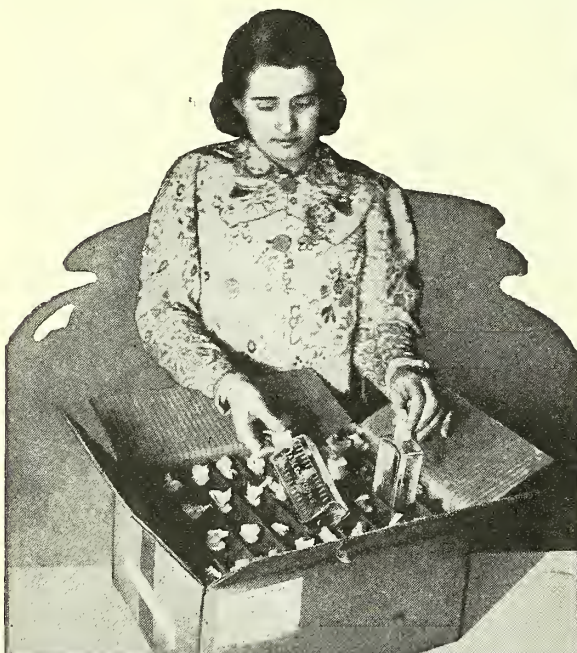
COMPRESSED in great demand for holidays and travelling. In cartons of one dozen to retail at 1/3 to 2/3 per dozen.

Free Samples and terms on application to the manufacturers :—



THE HOSEZENE Co. Ltd., NOTTINGHAM

BEATSON, CLARK SERVICE



Sterilized Bottle Service for Dispensers ★

The Beatson, Clark Service in "ready-for-use" washed and sterilized dispensing medicals, handily packed in cartons, has been used by many of our customers for years, and with great satisfaction, for it saves busy dispensers both time and trouble.

The bottles as you take them from the carton, can be relied upon, for each has been washed several times, inside and

out in hot distilled water, dried with filtered hot-air and oven baked, and enclosed and inserted in the carton immediately on emergence from the oven. It is thus free from any possible contamination and can be put straight into use.

This service applies to all forms of bottle and closure (cork mouth, moulded cap, metal screw cap).

Particulars of sizes and quantities packed in cartons :

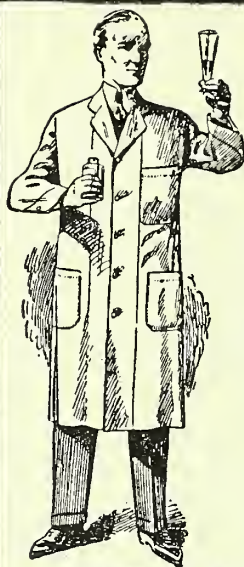
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|--------------------------------|-------------|
| Up to and including 8 oz. size | 3 dozen |
| 10 and 12 oz. sizes | - - 2 dozen |
| 16 and 20 oz. sizes | - - 1 dozen |

BEATSON, CLARK & CO., LTD.

MANUFACTURERS OF

Chemical & Medical Glass
ROTHERHAM YORKS.

GARDINERS for OVERALLS



ALL TYPES OF PROTECTIVE CLOTHING

Shop Coats, Jackets, Overalls, Acid - Proof Garments (made to order), Cloth & Rubber Aprons, Rubber Boots, Clogs.

Garments made to Special Designs.

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FOR INDUSTRIAL OR LABORATORY USE

We are makers of all types of mercurial thermometers for the clinical, chemical, engineering and shipping industries, etc.

CLINICAL THERMOMETERS A SPECIALITY

May we quote you for your requirements?

POWELL'S THERMOMETER CO.

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COMPOSITION STOPPERS BAKELITE MOULDINGS COMPACTE COSMETIC & ROUGE BOXES



200 Varieties
Any Colour.

A suitable Composition Stopper will enhance the selling value of your package. Let us fit your Bottles and quote you.



W. J. SHARPLIN, Ltd. Telephone: Mountview 3952
Middle Lane Works, Hornsey, LONDON, N.8

The new 'SPEEKO'

Electric Shaver

THE FINEST IN
THE WORLD

AN IDEAL CHRISTMAS GIFT

Christmas is the greatest selling opportunity of the year.

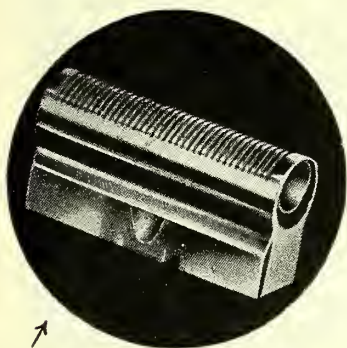
Link up with the Special Christmas Advertising Campaign for "Speeko" in "The Times", "Telegraph & Morning Post", "Illustrated London News", "Humorist", "Times Weekly Edition," etc., etc.

FITTED WITH VOLTAGE CONTROL SWITCH NO RESISTANCE REQUIRED

The "Speeko" Electric Shaver marks the greatest advance yet made in these appliances.

A switch on the "Speeko" itself controls the voltage so that the Shaver can be used with any voltage 100-250 A.C. or D.C. No resistance is required.

This unique feature is a most important selling point, particularly with people travelling from place to place, and better still it has been achieved without any advance in price. The "Speeko" is the only Shaver with this exclusive feature. This plus the other special features puts "Speeko" well ahead of all rivals.



ENLARGED VIEW OF
ROUNDED SHEARING
HEAD

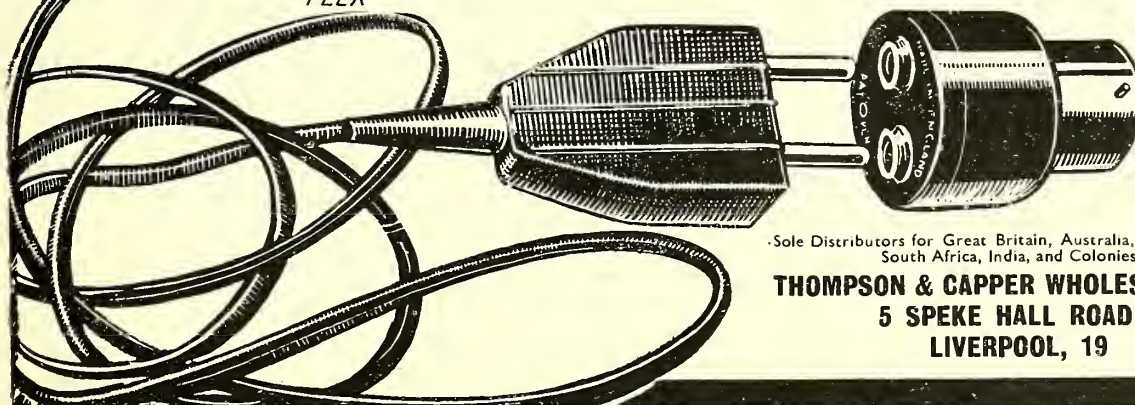
VOLTAGE
CONTROL

Retail Price £3-3-0

A MINIMUM PROFIT OF 21/-
ON EVERY SALE!!!

DETACHABLE
FLEX

LAMP
HOLDER PLUG



Sole Distributors for Great Britain, Australia, New Zealand,
South Africa, India, and Colonies:

THOMPSON & CAPPER WHOLESALE LTD.
5 SPEKE HALL ROAD
LIVERPOOL, 19

100% PROFIT BLACK MAGIC TABLETS OF CASCARA SAGRADA TWO GRAIN

GLASS TUBE OF 12
TABLETS RETAIL

2^d

TRADE
PRICE

1/-

PER DOZ.
TUBES

2/-

DISPLAY BOX OF
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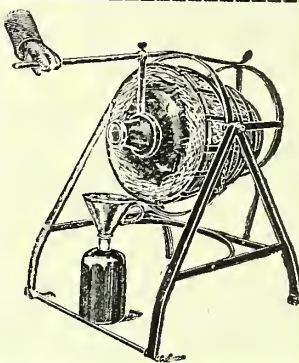
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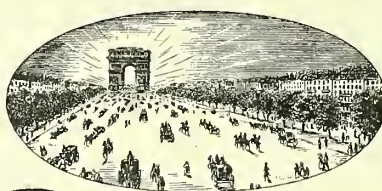
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News of the Week

Proprietary Articles Trade Association

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DELETION.—C. G. Fox & Co., Ltd., Verpine disinfectant fluid.

Perkin Lecture

A public lecture, arranged by the Chemical Society and the Society of Chemical Industry, to commemorate the centenary of the birth of Sir William Henry Perkin, was given by Dr. Herbert Levinstein, M.Sc., F.I.C., at the Leathersellers' Hall, St. Helen's Place, London, E.C.3, on November 24, Lord Leverhulme, deputy president of the Society of Chemical Industry, in the chair. The lecturer outlined the life of Perkin from the time when, at sixteen years of age, he studied chemistry at the Royal College of Science, London. Two years later, when attempting to synthesise quinine, Perkin accidentally produced "mauve," for which he took out a patent and erected works at Greenford for large-scale production. Dr. Levinstein described the subsequent development of the synthetic dye industry and mentioned some of the many other industries which have resulted indirectly from it. After having amassed a fortune at the age of thirty-five, Perkin sold his interest in his factory and entered scientific research. [An article on Perkin appeared in the *C. & D.*, March 12, 1938, p. 303.]

Dangerous Drugs Acts, 1920-32

CANCELLATION OF SUSPENSION OF WITHDRAWAL OF AUTHORITIES

(From "The London Gazette," November 25, 1938)

Whereas in pursuance of the powers conferred on me by Regulation 7 of the Dangerous Drugs Regulations, 1937, and by Regulation 5 of the Raw Opium, etc., Regulations, 1937, the Authorities granted by the said Regulations to duly qualified medical practitioners to be in possession of and to supply the drugs or preparations to which the Dangerous Drugs Regulations, 1937, and the drugs to which the Raw Opium, etc., Regulations, 1937, apply, were, by Notice published in "The London Gazette" and "Edinburgh Gazette" on June 24, 1930, withdrawn from John Joseph Coghlan, M.R.C.S., L.R.C.P., then of 98 Station Road, New Barnet, who had been convicted of an offence against the Dangerous Drugs Acts:

And whereas by the said Notice it was directed that it should not be lawful for the said John Joseph Coghlan to give prescriptions for the purposes of the Dangerous Drugs Regulations, 1937:

And whereas the operation of the said Notice was by Notice published in "The London Gazette" and "Edinburgh Gazette" on May 8, 1936, suspended until further Order:

And whereas I am of opinion that the said John Joseph Coghlan cannot properly be allowed for the purposes of the Dangerous Drugs Regulations, 1937, and the Raw Opium, etc., Regulations, 1937, to remain an authorised person or to give prescriptions:

Now therefore I hereby cancel, as from to-day's date, the Notice of Suspension published in "The London Gazette" and "Edinburgh Gazette" on May 8, 1936.

SAMUEL HOARE,

One of His Majesty's Principal Secretaries of State.

Whitehall, November 25, 1938.

Durham

JOINT DEBATE.—A joint meeting of the Durham County and Newcastle and Northumberland Branches of the Pharmaceutical Society, that it is hoped will become an annual event, was held at Durham on November 2, when a debate on the statement "That Pharmacy, as at present, is not worth while," was presided over by Mr. D. A. Wainwright (honorary solicitor to the Durham Branch). The case in favour of the proposition was opened by Mr. F. T. Richardson, supported by Mr. T. Melrose, junior, both of the Durham Branch, who were opposed by Mr. T. H. Fleming and Mr. R. V. Atkin, both of the visiting Branch. Others taking part included Messrs. Harris, Dennison, Watkins and Bartland (Newcastle), and Messrs. W. Low, Richardson, G. Low, Brookes and Mr. J. McCrum. The arguments, for and against, were dissected by the chairman in his summing up, and a vote on the question resulted in an overwhelming majority in favour of pharmacy as a profession (i.e., against the motion).

Harrow

PRESCRIPTION-PRICING DESCRIBED.—At a meeting of the Harrow Branch of the Pharmaceutical Society on November 17, Mr. F. J. Conduit in the chair, Mrs. J. K. Irvine gave an address on "How Your Insurance Prescriptions are Priced." Mrs. Irvine discussed difficulties experienced both by chemists and the Pricing Bureau, and described the process through which a bundle of N.H.I. prescriptions passed after arrival at the Bureau. It was important, she pointed out, that prescriptions should have all necessary explanations on them. The work of the Bureau was not finished when the chemist was paid, as special investigations had to be carried out for the Ministry and statistics prepared. After Mrs. Irvine had replied to questions, Miss Islip (vice-chairman of the Branch) proposed a vote of thanks, which was seconded by Miss Head.

CONTENTS

See p. 621

London

ILLUSTRATED LECTURE TO PHARMACEUTICAL EMPLOYEES.—At a meeting of the London Section of the Association of Pharmaceutical Employees at 17 Bloomsbury Square, W.C.1, on November 15, Mr. P. O. Oliver, O.B.E. (British Red Cross blood-transfusion service), gave a lecture, illustrated with cine films, on the work of his organisation. He explained that all the work of the blood-transfusion service was based on the discoveries of Professor Moss, New York, on blood grouping. Soon after the War, in response to numerous requests from London hospitals, he, the speaker, founded the blood-transfusion service at his home at East Dulwich. In the first year he received forty calls for volunteers, while by 1937 these demands had grown to 5,000.

WORKS VISIT.—A party from the Western Pharmacists' Association visited the Crookes' Laboratories, Park Royal, on November 10. The visitors were welcomed by Mr. Symonds, and divided into two groups, which were conducted through the laboratories and factory. A cine film taken on board one of the halibut steam trawlers was projected to demonstrate how the livers are extracted from the fish on the spot and immediately stored in ice. A practical demonstration of the apparatus used in recording the spectrographic test for the determination of vitamin A followed. The bacteriological department demonstrated the care and thoroughness with which the wide range of transfusion solutions are prepared. The various filling and packing departments were inspected and two machines employed in the labelling and wrapping departments to enable the factory to turn out 10,000 packages in the course of a day were seen. The party was afterwards entertained to tea. A vote of thanks was proposed by Mr. Glover (president of the Association). Mr. D. R. Evans (vice-president) seconded the vote of thanks, which was replied to by Messrs. Symonds and Hill on behalf of the firm.

Manchester

Mr. J. LEVI has been appointed chief pharmacist at the Victoria Memorial Jewish Hospital, Elizabeth Street.

GUILD OF PUBLIC PHARMACISTS.—A meeting of the Manchester Branch of the Guild of Public Pharmacists was held on November 16, Mr. J. Roberts (pharmacist of Strangeways Prison) in the chair, when Dr. R. W. Luxton, M.D. (consultant to Manchester Royal Infirmary and Manchester Corporation Hospitals), gave an address on "Modern Methods of Diagnosis," with special application to the heart. He described the heart's functions, diagnosis and prognosis of its diseases. α -Ray films were shown to illustrate various conditions. The uses of the sphygmomanometer were described and, by means of special charts, the value of the electrocardiograph in assisting accurate diagnosis were demonstrated. Mr. W. E. Phillipson proposed, Mr. R. Thompson seconded, and Mr. H. Brindle supported, the vote of thanks.

MASONIC LADIES' NIGHT.—The Manchester Pharmaceutical Masonic Association held its first ladies' evening of the season on November 23, when the guests were received by the chairman (Bro. J. E. Edwards) and Mrs. Edwards. After the loyal toast, the following toasts were proposed: "The Chairman," "The Ladies" and "The Visitors," by Bros. Bostock, Baker and Bairstow. Replies were by the chairman, Mrs. Edwards and Bro. Hitchen. In the whist drive, conducted by Bro. Renton, the following were the prize-winners:—*Ladies*, first, Mrs. Fisher; second, Mrs. Renton; third, Mrs. S. Taylor; fourth, Miss J. Tyler; *Consolation*, Miss J. Hummel; *Gentlemen*, first, Bro. Hummel; *Consolation*, Miss Rawlinson. The prizes were presented by Mrs. Edwards. After an interval for refreshments, dancing continued until midnight. Bro. Wild was M.C.

Norwich

DIET QUESTIONS.—A meeting of the Norwich Branch of the Pharmaceutical Society was held on November 1, Mr. W. T. Pitchford in the chair. In response to a request from the local A.R.P. Officer ten members volunteered to train as instructors for Air-Raid Precautions. Dr. Crawford (Allen & Hanburys, Ltd.) then gave an address on "The Nutritional Aspects of Disease." He stated that the principal factors of nutrition were proteins, carbohydrate fats, minerals and vitamins. Proteins were probably the most important factor; they were nitrogen-containing compounds essential to the growth and the

replacement of muscular and glandular tissues. Excessive consumption of protein produced diseases such as gout and arterio-sclerosis. Lack of protein led to famine oedema such as was prevalent in Central Europe during the Great War. Carbohydrates formed the staple diet of the poorer classes; this was unsatisfactory, as the diet was deficient in minerals, vitamins, proteins and fats. Excess carbohydrate was associated with pellagra and beri-beri. Fruit formed a better diet, as it has a higher vitamin-content and mineral salts were present in easily assimilable form. Fats in excess led to acidosis and ketosis; to counteract this effect the body extracted sodium and potassium ions from the tissues, resulting eventually in a deficiency of these minerals. Acid causes the excretion of calcium, sodium, potassium and magnesium sulphates in the urine. This lasts for about two hours, when the body begins to convert urea into ammonia and this is excreted as sulphate, thus economising the body's store of fixed bases. These bases are very important. Calcium forms the major portion of the skeleton. In addition, mobile calcium in the blood plays a very important part in controlling the irritability of the nerves, i.e., their response to stimuli. In infancy calcium was important for forming teeth and bones.

At question time Mr. Pitchford asked the speaker whether epilepsy had any relation to deficiency of calcium. Reply: None. The water-balance of the body was suspected and a low salt dietary was being tried in order to remove water from the brain. Mr. Read asked which was the best salt of calcium for treatment of chilblains? Reply: The phosphate is preferable to the lactate owing to more ready absorption. A vote of thanks was proposed by Mr. Patterson and seconded by Mr. Hunt.

Sheffield

ANNUAL DINNER.—The annual dinner of the Sheffield Branch of the Pharmaceutical Society was held on November 17, when the guests were received by the chairman and his wife (Mr. and Mrs. H. Antcliffe). Proposing "The Ladies and Visitors," the chairman said it was a pleasure to know there were present that evening members of the medical profession, representatives of twenty wholesale houses, and the national president of the Photographic Dealers' Association. Mr. C. W. Hobson, proposing the toast of the Pharmaceutical Society, paid tribute to the chairman and thanked the social committee for the excellent arrangements. Dancing followed.

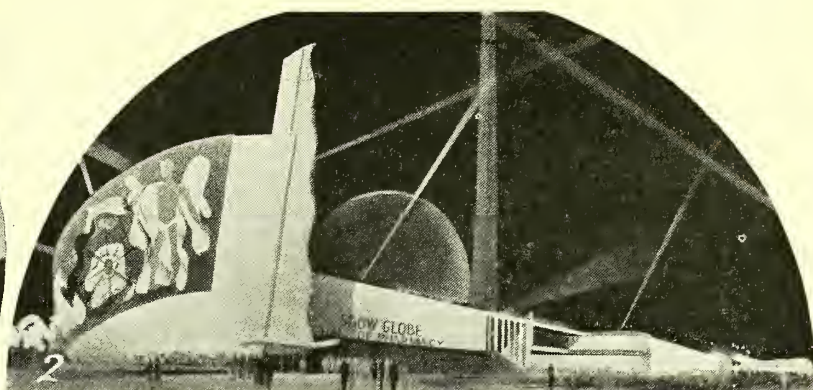
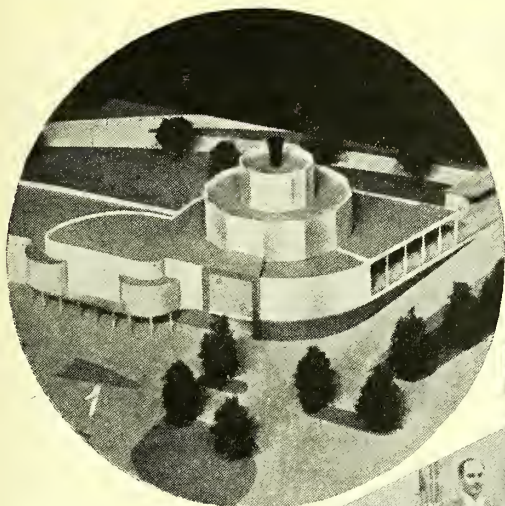
Miscellaneous

ASSOCIATION RECONSTITUTED.—The Oxford and District Chemists' Association was reconstituted on November 25, and Mr. C. J. V. Bellamy, 22A Merton Street, Oxford, was appointed *Secretary* and *Treasurer* in place of Mr. R. A. Neville.

LANTERN LECTURE AND PRESENTATION.—At a meeting of the Nottingham and District Branch of the Pharmaceutical Society on November 9 a lantern lecture on "Vaccine Therapy and Sulphonamides" was presented by Mr. W. E. James (Glaxo Laboratories, Ltd.). A vote of thanks was proposed by Mr. R. A. Raley and seconded by Mr. F. Wilson Moulds. Advantage of the occasion was taken to present first-aid certificates to successful candidates at a recent local examination.

IN THE COURTS.—At Hendon Police Court, London, N.W., on November 21, Harold Dingwall Cowie, chemist's assistant, was charged on remand with stealing goods to the value of £7 10s. from 69 Golders Green Road, the property of his employers, Matthews (Cash Chemists), Ltd. Defendant pleaded guilty and was bound over.—At Bow Street Police Court, London, on November 25, Doris Michael & Violet Nash were sentenced to seven and fourteen days respectively for being in unauthorised possession of heroin hydrochloride.

WINDOW-DISPLAY COMPETITION, BECKENHAM.—In connexion with the Chemists' Friend movement, Beckenham chemists recently arranged a simultaneous window-display competition featuring Crookes' halibut oil. The arrangements were in the hands of G. E. Butler, M.P.S., and prizes of 2 guineas, 1 guinea and several of 10s. 6d. each were offered by the Crookes Laboratories. The judging was by Messrs. R. H. H. Symonds (sales manager) and C. Fitzpatrick (representative). Awards were made as follows: *First*, Mr. J. L. Wrathall; *second*, Mr. S. R. S'mnnett; *Consolation prizes*, Messrs. W. J. Dalby, F. Coupland E. Neal, W. T. Stoyke, G. E. Butler, S. J. Hamer and C. R. Stanyon.



NEWS in Pictures

1 and 2. **WORLD'S FAIR, NEW YORK**—Model of Cosmetic Building (1), and artist's design for Hall of Pharmacy (2). See page 612.

3. **WORKS CHEMISTS DINE**—British Association of Chemists at dinner. Report, page 625.

4. **BENEVOLENT FUND DANCE, EIRE**—Front row, left to right, Sir Thos. and Lady Robinson, Mr. and Mrs. G. O'Neill, Mr. W. Tate. Second row, left to right, Mr. C. Collis, Miss K. Fogarty, Miss M. Fox, Mr. T. Larkin, Miss F. Flood, Mr. C. Staunton, Miss P. Flynn. Third row, left to right, Messrs. Brendan Smith, P. Cahill, Mrs. Somers, Mr. M. Nicell, Miss P. Morris. Fourth row, left to right, Messrs. T. O'Sullivan, J. Kerr, D. Kirkpatrick, F. Roche. Report, page 610.

5. **IRISH DRUG ASSOCIATION.**—Group taken at delegates' meeting, Nov. 21 (see page 615). Seated, left to right, Messrs. J. K. Whelehan, A. R. Lester, P. A. Brady (president), F. Loughman, R. O'Rourke, T. Burke. Standing, left to right, Messrs. Brendan Smith (organiser), R. J. Kidney (sec.); G. O'Neill, T. Scott, G. McLean Lee, T. Hogan, P. Teehan, P. McGrath, Lyall Smith, and M. J. O'Rourke.



MR. A. M. McMANNES
(see page 619)

Irish Notes

Dublin

BENEVOLENT FUND DANCE.—At a dance at the Gresham Hotel, Dublin, on November 21, organised in aid of the Benevolent Fund of the Pharmaceutical Society of Ireland, dancing began shortly after 10 p.m. and continued till 3 a.m. Spot prizes awarded during the night included cameras, vanity sets, perfume caskets, boxes of chocolates, and so forth. A seasonable touch was lent by the raffle of a Christmas hamper, which included a turkey and ham. The committee which organised the function consisted of Mr. G. C. O'Neill, Blackrock (chairman); Miss K. Fogarty (treasurer); Messrs. C. A. Collis, and B. Smith (secretaries); Sir T. Robinson; Messrs. P. C. Cahill; C. J. Staunton; J. J. Roche (M.C.); T. Larkin; M. Nicell; P. T. Crowley; J. J. Kerr; T. B. O'Sullivan; Mrs. Somers; the Misses P. Morris, M. C. Fox, F. M. Flood, and P. Flynn. Picture on p. 609.

Sir Thomas Robinson (president, Pharmaceutical Society of Ireland) and Lady Robinson came with a large party, which included Mr. Fred Robinson, Mr. and Mrs. Geo. O'Connor, Mr. and Mrs. W. T. Anthony, Mrs. McIvor, Mr. Phil Dempsey, and Mr. Jas. Smith, L.D.S. Mr. P. C. Cahill (vice-president) also came with a number of friends. The Pharmaceutical Society of Northern Ireland was represented by Mr. W. Tate (president), Mr. S. H. Forrest, Belfast (past-president), and Mr. D. L. Kirkpatrick (registrar). Mr. J. J. Kerr (registrar, Pharmaceutical Society of Ireland) and many members of the Council, with their friends, were present, and the guests included the Lord Mayor of Dublin; Mr. P. A. Brady (president, Irish Drug Association) with several members of his committee; Mr. and Mrs. J. K. Whelehan, Mullingar; Messrs. J. Gleeson, Terenure; C. Cremen, Dublin; J. A. O'Rourke, Dun Laoghaire; and M. J. Parkes, Blackrock; Miss F. M. Flood; Messrs. Lyall G. Smith; Brendan Smith; P. Fullam, Naas; L. McGee, Letterkenney; A. F. Roche (captain, Irish Chemists' Golfing Society); M. J. O'Rourke; D. Gillen; S. Savage; M. Costello; R. E. Campbell; P. MacAuliffe; S. T. McAuley (managing director, Irish Pharmaceuticals, Ltd.); B. McNamara; J. J. McNally; H. P. Corrigan; E. D. Attwood; K. Daly; W. F. M. Keyes; and J. Perry; Mr. and Mrs. H. G. Smith; Drs. J. J. Mackey; J. Shiel; F. Doyle; and F. McNamara; Superintendent Maher; Messrs. J. A. Geary; R. A. Kidney, F.S.A.A.; W. P. Collopy, Belfast; and S. E. Balson; Mr. and Mrs. J. J. Murphy (Milton Proprietary, Ltd.); W. Rowland Such (Evans Sons Lescher & Webb, Ireland, Ltd.); Mr. and Mrs. N. Cuddy; Mr. and Mrs. R. Duggan; Mr. and Mrs. J. Maguire; Mr. and Mrs. Leonard; Mr. and Mrs. B. O'Brien; Mr. and Mrs. K. J. Duggan; Mr. and Mrs. Somers; Mr. and Mrs. P. J. Killackey;

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Scottish Notes

Glasgow

NEW BUSINESS.—Mr. John C. Pert, M.P.S., has opened a pharmacy at 53 West Nile Street, Glasgow, C.2.

INQUEST.—An inquiry was held recently into the circumstances attending the death of a four-months-old child. The mother stated that she had obtained a bottle labelled lime water from a chemist, and on adding a quantity of the liquid to the milk the baby became ill and subsequently died. The bottle was stated to have contained surgical spirit. Following evidence of treatment under medical supervision and of an operation performed at the Royal Hospital for Sick Children, the jury returned a verdict that death was due to the effects of inflammation of the stomach and cerebral hæmorrhage, in accordance with the evidence of Professor John Glaister, who conducted a post-mortem examination.

Miscellaneous

BUSINESS CHANGE.—Mr. John Nisbet, M.P.S., has taken over the business of Mr. Peter Short, M.P.S., at 52 High Glencairn Street, Kilmarnock.

WAGES IN THE DRUG TRADE.—A meeting of the joint drug committee of the Shop Assistants' Union and the National Union of Distributive and Allied Workers was held in the Central Halls, Glasgow, on November 20. The committee, which is representative of the whole of Scotland, consists of pharmacists, unqualified assistants and the Scottish divisional organisers, Mr. Brown and Mr. Watson. A scale of wages for all grades of workers in the drug trade was agreed upon for submission to the executive council, as a separate agreement for employees in the drug trade in Scotland.

Topical Reflections

By Xrayser

Health Schemes Discussed

Your editorial remarks on the recent discussion between the Minister of Health and a deputation from insurance committees in Great Britain (p. 584) bring to mind the old definition of a deputation as a noun of multitude signifying many but not much. Seriously, I am always dubious about anything that savours of mass production where health is concerned. When attention is called, as we are told it was on this occasion, to "the value of the insured man to the nation," one begins to suspect pressure on the part of organisations controlling, or influencing, considerable numbers of votes. It may be an admirable ideal that "the services of consultants and specialists and facilities for radiological and pathological examinations" should be freely available for nationally insured persons; but what is to happen to people of comparable incomes who, though not eligible for National Health Insurance and Unemployment Insurance, find themselves in need of such services? I submit that no proposal to extend existing health services should fail to take into account the needs of the long-suffering but unvocal class to which I refer. It consists, after all, of human beings who may be presumed to be of some value "to the nation." The Minister's dictum that such developments as those suggested by the deputation "must be considered not in relation to National Health Insurance but to the general health services made by local and other authorities" reminds us of the "national" scheme of the British Medical Association, though I have no idea whether this was in his thoughts at the time. The whole question

remains in a nebulous condition; and, as you point out, pharmacy seems once more to be ignored.

Uses of Ephedra

Those of your readers who do not assemble their serial copies of the *C. & D.* in bound volumes will do well to keep your issue of November 26 in an accessible position, so that the monograph by Dr. K. K. Chen on "Ephedrine and Ma Huang" can easily be referred to on occasion. I know of nothing more remarkable in the history of drugs than that so important a plant should have had to wait about 5,000 years for general recognition of its properties, and that even after the midriatic action of ephedrine was noted another quarter of a century elapsed before Dr. Chen and Dr. Schmidt were led to investigate ephedra pharmacologically. The sections of the article on pp. 587-88 headed "Clinical Uses" and "Synthetic Ephedrine Products," comprising statements and deductions in the best tradition of scientific accuracy, are of particular value to practising pharmacists. As an example I may instance the observation that a 5 to 10 per cent. solution is suitable for the eye, while for the nasal mucous membrane a 1 to 3 per cent. solution is recommended. On the face of it, such a finding subverts one's preconception of the relative sensitivities of eye and nose: it thus demonstrates the importance of controlled clinical tests. Another detail to which I may refer is the paragraph on the action of benzedrine, local and systemic. This substance has previously had mention in your columns; the present warning, nevertheless, against its indiscriminate use is by no means superfluous.

Legal Reports

Order Granted.—In the Chancery Division of the High Court, London, before Mr. Justice Simonds, on November 29, Mr. Macgillivray, appearing for plaintiffs in two actions by the Veno Drug Co., Ltd., and Irving's Yeast Vite, Ltd., against Morgan Brothers, a firm, of Caledonian Road, King's Cross, moved for judgment against defendants by consent. Mr. Macgillivray said that Mr. Morgan, who traded as Morgan Brothers, was in Court and was prepared to consent to an order which had been agreed. The matter was recently before his Lordship on motion (*C. & D.*, November 12, p. 520). Mr. Justice Simonds: Yes. An injunction against infringement, using certain words and passing off, defendant to pay plaintiffs an agreed sum. I don't like the form of the latter part of the order. Mr. Macgillivray: There is an agreement between the parties that defendant should make a contribution. I agree that the sum ought to be named in the order. Mr. Morgan assented. Mr. Justice Simonds: I think you are wise. His Lordship made an order as agreed.

Alleged Infringement of Trade Marks.—In the Chancery Division of the High Court, London, before Mr. Justice Simonds, on November 25, Mr. Lloyd Jacob, appearing for plaintiffs in the action *Coty (England), Ltd.*, against the Balham Drug Stores, Ltd., moved for an injunction to restrain defendants from infringing plaintiffs' registered trade marks. Mr. Lloyd Jacob said Balham Drug Stores offered to submit to the injunction, but their counsel wished to make some observations as to their innocence. The evidence was such as not to justify an allegation of negligence without further investigation. Mr. Bagshaw, for the defendants, said they were prepared to treat the motion as a trial of the action and to consent to an order in the terms of the writ. They were anxious to state that the infringement complained of was of a trivial character and was an entirely innocent one. They thought the goods they bought were plaintiffs' goods. His Lordship made an order as asked and said there would be an inquiry as to damages and delivering up of the infringing articles.

Appeal Dismissed.—The Court of Appeal, consisting of Lord Justices Slesser, MacKinnon and Finlay, on November 24, dismissed an appeal by British Industrial Plastics, Ltd., Ideal House, Argyle Street, London, W., from the judgment of Mr. Justice Porter (now Lord Porter) in the King's Bench Division, in favour of James Ferguson & Sons, Ltd., Lea Park Works, Prince Georges Road, Merton Abbey, S.W., and Mr. John Edward Ferguson, their managing director, to whom Messrs. Plastics alleged in their action that their secret process for manufacturing "aminoplastic" powders had been improperly revealed. British Plastics alleged conspiracy by the defendants, and claimed against them damages and an injunction to restrain disclosure or making use of the secret process. Mr. Justice Porter (*C. & D.*, 1938, I, 207) held that the process was British Industrial Plastics' secret, and that Fergusons had used it as the basis for their process. He found that conspiracy and inducement were not proved and gave judgment for Mr. Ferguson and Messrs. Ferguson, with costs. British Industrial Plastics challenged the Judge's finding so far as it concerned Mr. Ferguson and Messrs. Ferguson. Mr. K. E. Shelley, K.C., and Mr. Guy Aldous (Crane & Hawkins) appeared for British Industrial Plastics; Sir Patrick Hastings, K.C., and Mr. James Mould (Charles G. Bradshaw & Waterson) represented Mr. Ferguson and James Ferguson & Sons, Ltd. Lord Justice Slesser, giving judgment, said that British Industrial Plastics, in order to succeed, must show that what they complained of was wilfully and knowingly done. The trial judge had found that Fergusons and Mr. Ferguson suspected that Mr. Doherty's knowledge of British Industrial Plastics' process might be secret. He (the Lord Justice) accepted the view of the trial judge that before Fergusons received the information of the process they referred Doherty to their patent agents for advice as to whether the process was secret. Though the method they chose to arrive at that conclusion was totally inadequate, yet if it were *bona-fide*, it did not seem to him (the Lord Justice), that it could be said that they acted wilfully and knowingly. It had been argued that in so far as Fergusons did in fact procure Doherty to destroy the secrecy of British Industrial Plastics by telling him to publish the secret matter to the patent agents, they had illegally induced a breach of contract. His lordship thought this was a wrong construction to put upon their acts. Because

Doherty went to the patent agents with the secret process for patenting, that was very far from saying that when Fergusons sent him there they knowingly, intentionally or wilfully induced Doherty to break his contract with British Industrial Plastics. There being at the time when the secret was disclosed a breach of contract, an actionable procurement could only be assumed by holding either direct knowledge or knowledge to be imputed to the procuring party within the meaning of the authorities. Direct knowledge could not be found on the evidence, and imputed knowledge to be derived from wilful or fraudulent ignoring of facts had been expressly negatived by the trial judge. On this assumption the action based upon procurement must fail. According to the findings of the trial judge, Fergusons thought that if the patent agents certified that Doherty had a patentable method, they could safely use it and employ him. They were without fraudulent mind. He (the Lord Justice) thought that even if the publication of the secret to their patent agents by Doherty was procured by them, they had a lawful excuse or justification for asking him to take proper steps which would have protected both British Industrial Plastics and Fergusons from any risk of misuse by themselves or Doherty. It had been argued that as damage was the gist of the action, there was no proof that by the secret matter being published to the patent agent, under secrecy, British Industrial Plastics suffered any damage. But in such a case it was not necessary to give proof of special damage. Damages were at large. Owing to the manner in which the case was argued in the Court below, his lordship did not think this question arose for determination. It was also sought to be said that the trial judge was wrong in refusing to find conspiracy between Doherty and Fergusons. This seemed to be entirely a question of fact and he (the Lord Justice) could not find in the evidence any reason to come to the conclusion that there was conspiracy. The appeal failed and would be dismissed. Lords Justices MacKinnon and Finlay concurred. Leave to appeal to the House of Lords was given.

"C. & D." Retail Price List

THE drug index figure for November showed a slight fall from 155.1 in the previous month to 155.0, as against 154.0 in November 1937. The surgical dressings index figure remained as in October, being 138.2 against 138.5 in the corresponding month of last year. The important changes in retail or dispensing prices are as follows:—

| Cost | | Drugs and Chemicals | Selling Price | | | |
|----------------------|------|----------------------------------|-----------------|----------------|----------------|----------------|
| d. | per | | 16 oz. s. d. | 4 oz. s. d. | 1 oz. s. d. | 1 dr. s. d. |
| 17 | oz. | Barbitonum .. R only | — | — | 2 6 | 0 5 |
| 19 | oz. | Barbitonum solubile .. R only | — | — | 2 10 | 0 6 |
| 16 | oz. | Betanaphthylis sal | — | — | 2 4 | 0 4 |
| 6 | oz. | Chloral hydras .. P.I. (8) | — | — | 0 11 | 0 2 |
| 36 | dr. | Ephedrina alk. .. P.I. (8) | per | gr. | 0 2 | 5 3 |
| 30 | dr. | Ephedrinæ hydrochlor. P.I. (8) | per | gr. | 0 2 | 4 5 |
| 30 | dr. | Ephedrinæ sulphas .. P.I. (8) | per | gr. | 0 2 | 4 5 |
| 14 | oz. | Ergota preparata .. S.I. (5) | — | — | 2 0 | 0 4 |
| 7 | oz. | Ext. cinchonæ | — | — | 1 1 | 0 2 |
| 60 | lb. | Ext. cinchonæ liquidum .. | — | 2 3 | 0 8 | 0 2 |
| 156 | lb. | Ext. ergotæ liq. '14 .. S.I. (5) | — | 5 7 | 1 8 | 0 3 |
| 18 | oz. | Ferri valerianas | — | — | 2 8 | 0 5 |
| 78 | lb. | Manna elect. nov. | — | 2 10 | 0 10 | 0 2 |
| 120 | lb. | Maranta Bermuda ver. .. | 15 0 | 4 3 | 1 2 | 0 2 |
| 54 | lb. | Tr. valerianæ ammoniata .. | — | 1 11 | 0 7 | 0 1 |
| Cotton Wools: | | | | | | |
| 25 | doz. | Medium (M.O.H.), 2 oz. .. | — | pkt. | 0 4 | — |

MEDICINAL PLANTS OF FRANCE.—A further series of eight coloured plates illustrating medicinal plants of France has just been issued and includes the following:—Elm and common elm, laburnum and false acacia, broom and Spanish broom, celandine and cowslip, calamus and cuckoopint, veronicas, climbing birthwort, orchids—Nos. 149-156. The plates are obtainable from "C. D. P. M.," 17 Rue Duguay-Trouin, Paris, 6e (price 8 fr. 20 c., post free).

Imperial and Foreign News

South Africa

PHARMACY BOARD ELECTIONS.—The following were returned at the recent election of members of the Pharmacy Board of South Africa:—Messrs. A. M. Fyvie, G. B. Christie, D. S. B. Anderson, F. J. Todd, M. W. Clancy and A. M. Reichenberg. Over 70 per cent. of chemists voted.

Sweden

ADVERTISING STANDARDS.—A national campaign against the manufacture and distribution of fraudulent or deceptive drugs, food and medicinal products has been launched in Sweden. Four hundred publicists, physicians and food producers held a two-days' congress recently in Stockholm to formulate standards of publicity for food and medicinal products. It was resolved to form a committee on which the State health authorities, publicity men and producers would be represented, to work out practical measures for achieving this end.

United States

PHARMACISTS IN HOSPITALS.—A report dealing with 1,419 hospitals in the United States records that they employ 1,901 pharmacists; 202 hospitals in the State of New York employ 313 pharmacists; 104 hospitals in California 144 pharmacists; five in North Carolina five pharmacists only. Most, or all, States of the Union have laws regulating the practice of pharmacy, the handling of drugs in hospitals as well as elsewhere, and provisions for registry under the State Government.

STATE ANALYTICAL LABORATORY.—A State Pharmacy Laboratory has been established in Pennsylvania to test drugs submitted to it and also to secure samples of questionable drugs carried in pharmacies and other stores. Analyses of drugs are made to determine those which are advertised under extravagant or fraudulent claims as to composition, medicinal value or health-saving qualities. Products examined include tincture of iodine, spirit of nitre, milk of magnesia, hydrogen peroxide, adhesive plasters, aspirin, lime water, witch hazel and lysol.

CO-OPERATIVE ADVERTISING DENOUNCED.—At a convention of the National Association of Retail Druggists, held recently in Chicago, Illinois, a resolution was passed "vigorously opposing co-operative advertising as now maintained by most large drug manufacturers." It was described as a "practice which amounts to a substantial rebate or price differential available to chains and large proprietors." Another recommendation of the convention was that a law should be passed that would require a druggist offering some nationally known brand of goods at a reduced price to stock enough to fill the demand at the price he advertised. Sampling of the medical profession with standardised packages was also denounced. It was pointed out that such samples were resold to cut-price stores which sold them at prices that were actually wholesale rates.

WORLD'S FAIR.—The Hall of Pharmacy at the New York World's Fair, to be opened next spring, is to cost some £200,000. Among the exhibits is to be a model drug store as it should appear in the "world to-morrow"; a streamlined soda-fountain of the future; and an international drug club, to which both foreign and American druggists visiting the Fair will be eligible. Exhibits will show production of pharmaceutical products from raw material to completed package and there will be sections devoted to wholesale and retail distribution. One of the exhibits will be a giant medicine cabinet 20 ft. high, 15 ft. wide, with a mirror illuminated by sidelights and large enough to reflect the faces of 3,000 visitors at one time. The usual glass shelf will be wide and strong enough to support a man's weight. The "medicine chest" will house a marionette show dramatising the home cabinet as the family's first line of defence against disease and infection. The marionette show will be on a stage 45 ft. in diameter behind the cabinet. When the show begins the mirror, which appeared first as a sheet of silvered glass, will become transparent to expose the stage setting. Other exhibits will deal with "Pharmacy and Its Contribution to Civilisation" and "The Drug Store as the Community First-Aid Centre," the latter including reproductions of historical drug stores. A note on the Cosmetic Building appeared in the C. & D., March 19, p. 320. Pictures, p. 609 of this issue.

Stock Exchange Prices

| £1 shares unless otherwise stated | Dec. 31, 1937 | Oct. 31, 1938 | Nov. 29, 1938 |
|--|---------------|---------------|---------------|
| | s. d. | s. d. | s. d. |
| Allen & Hanburys, 7% Prefd. Ord. ... | 26 0 | 26 0 | 26 0 |
| Amalg. Dental Co., 8% Prefd. Ord. ... | 25 6 | 25 6 | 26 0 |
| " " " Deferred £1 ... | 14 0 | 12 6 | 12 6 |
| Aspro, Ltd., 5s. shares ... | 16 6 | 13 6 | 13 3 |
| Ayrton, Saunders & Co., 7½% Pref. ... | 25 6 | 22 9 | 22 9 |
| Beechams Pills, Deferred 2s. 6d. shares ... | — | 8 1½ | 8 0 |
| Benger's Food, Ord. ... | 39 6 | 20 0 | 20 3 |
| Benzol & By-Products cum. part. Pref. ... | 12 6 | 17 3 | 17 6 |
| Berger (Lewis) & Sons, Ord. ... | 56 3 | 50 7½ | 50 3 |
| Blundell Spence & Co. ... | 16 3 | 13 3 | 12 6 |
| Boake (A.), Roberts & Co., 5% Pref. ... | 22 0 | 20 6 | 20 6 |
| Boots Pure Drug, Ord. 5s. shares ... | 45 6 | 40 6 | 40 0 |
| Boots Pure Drug, 7% "A" Prefd. Ord. ... | 33 0 | 32 9 | 32 9 |
| Boots Cash Chemists (S.), 6% "A" Prefd. ... | 29 0 | 28 9 | 28 9 |
| Borax Consol., Dfd. Ord. ... | 27 0 | 26 3 | 27 6 |
| Bovril, Ord. ... | 26 6 | 27 6 | 27 6 |
| " Dfd. ... | 22 6 | 20 0 | 19 10½ |
| British Industrial Plastics (formerly British Cyanides), Ord. 2s. shares ... | 2 7½ | 2 9 | 2 7½ |
| British Drug Houses, The, Ord. ... | 24 3 | 21 6 | 21 9 |
| British Glues & Chemicals, 4s. Ord. ... | 5 9 | 5 0 | 4 9 |
| British Oil and Cake Mills, Prefd. Ord. ... | 46 6 | 43 0 | 42 9 |
| British Oxygen, Ord. ... | 82 6 | 72 6 | 73 0 |
| British Photo. Indus., 6% Cum. Pref. ... | 3 6 | 3 0 | 3 3 |
| Burt, Boulton & Haywood, Ord. ... | 20 6 | 18 0 | 18 1½ |
| Bush (W. J.) & Co., 5% Pref. £5 ... | 105 0 | 97 6 | 99 0 |
| Callard, Stewart & Watt, Ord. ... | 4 6 | 5 0 | 5 0 |
| Cooper, McDougall & Robertson, Ord. ... | 33 0 | 26 0 | 26 9 |
| Crosfield (Joseph) & Sons, 6½% Pref. ... | 30 0 | 28 0 | 27 9 |
| Dubarry Perfumery Ord. 1s. ... | 2 7½ | 2 9 | 2 6 |
| " " " 7½% Pref. ... | 22 6 | 21 3 | 21 6 |
| Evans Sons Lescher & Webb, Ord. 6s. 8d. shares ... | 5 3 | 3 3 | 3 9 |
| " " " 6% cum. part. Pref. ... | 7 9 | 6 6 | 6 3 |
| Field (J. C. & J.), Ord. ... | 23 9 | 23 6 | 23 9 |
| Galloway (P. H.), Ord. 2s. ... | 3 0 | 3 0 | 2 10½ |
| " " " 7½% Cum. Pref. ... | 26 6 | 26 3 | 26 0 |
| Genatosan, Ltd., 1s. ... | 6 4½ | 4 9 | 5 0 |
| Gossage (William), 6½% Pref. ... | 30 0 | 28 0 | 28 0 |
| Greeff-Chemical H'dings, Cum. Pref. 10s. ... | 9 6 | 9 9 | 10 0 |
| " " " Ord. 5s. ... | 6 10½ | 5 9 | 5 3 |
| Griffiths Hughes (Kruschen), Ord. ... | 15 0 | 9 0 | 8 6 |
| Groat & Co., Ord. ... | 13 0 | 8 9 | 9 0 |
| Hodders, Ord. 1s. ... | 0 9 | 0 7½ | 0 6½ |
| Ilford, Ltd., Ord. ... | 28 9 | 29 3 | 28 3 |
| " " " 6% Pref. ... | 25 6 | 25 0 | 25 0 |
| Imperial Chemical, 7% Pref. ... | 33 6 | 32 6 | 32 3 |
| " " " Ord. ... | 35 0 | 31 3 | 31 3 |
| Intern. Sponge Importers, 6% Pref. ... | 7 3 | 3 3 | 4 0 |
| Knight (John), 25% Prefd. Ord. ... | 100 0 | 93 9 | 91 3 |
| Laporte (B.) & Co., Ltd., Ord. ... | 90 0 | 86 3 | 85 6 |
| Lever Bros., Ltd., 7% Pref. ... | 31 3 | 30 0 | 30 0 |
| " " " 8% Pref. ... | 33 3 | 30 7½ | 31 0 |
| " " " 20% Prefd. Ord. 5s. ... | 21 0 | 19 0 | 19 1½ |
| Lewis & Burrows, Ord. ... | 24 9 | 22 6 | 22 6 |
| " " " 6% Pref. ... | 22 0 | 20 3 | 20 0 |
| Liebig's Ext. of Meat, Ord. £5 ... | £15½ | £15½ | £15½ |
| Maclean's 6% Red. Pref. ... | 22 9 | 21 9 | 21 3 |
| Mellin's Food, 6% Pref. ... | 1 6 | 1 10½ | 1 3 |
| Nathan, J. (Glaxo), 7% Pref. ... | 23 6 | 22 9 | 22 6 |
| " " " 8% Prefd. 10s. ... | 13 0 | 11 6 | 11 3 |
| " " " Ord. 1s. ... | 6 10½ | 5 0 | 5 0 |
| Pears (A. & F.), 5% Deb. £100 ... | £110 | £106 | £107 |
| Reckitt & Sons, Ord. ... | 103 9 | 100 0 | 101 3 |
| Sangers, Ord. 5s. ... | 23 0 | 21 9 | 21 9 |
| " Sanitas," The, Co., 9% Pref. ... | 29 1½ | 26 0 | 24 9 |
| Sanitas Trust, 10% partic. Pref. ... | 29 4½ | 27 3 | 25 9 |
| Smith (Stephen) & Co., Ord. 5s. ... | 10 9 | 9 9 | 9 3 |
| Spratt's Patent, Ord. ... | 58 9 | 46 0 | 46 3 |
| Stevenson & Howell, 6½% Cum. Pref. ... | 25 0 | 24 0 | 24 0 |
| United Glass Bottle Man., Ord. ... | 49 6 | 47 6 | 46 10½ |
| Veno Drug Co., 8% Pref. ... | 24 9 | 26 0 | 24 6 |
| Virol, Ltd., Ord. ... | 31 3 | 28 9 | 29 3 |
| " " " 7% Pref. ... | 24 0 | 24 6 | 25 0 |
| White (A. J.), Ltd., Ord. 10s. ... | 18 6 | 17 0 | 17 0 |
| White (Timothy) & Taylors, 7½% Pref. ... | 29 9 | 29 6 | 29 1½ |
| " " " Ord. 5s. ... | 26 6 | 24 0 | 23 9 |
| Woodlands, Chemists, Ord. 2s. ... | 1 0 | 0 10½ | 0 9½ |
| Wright, Layman & Umney (1932), 7% cum. Pref. ... | 24 0 | 23 3 | 23 3 |

Company News

P.C. means Private Company and R.O. Registered Office

SCOTTS (NORTHWAYS), LTD. (P.C.).—Capital £500. Objects: To carry on the business of chemists, dealers in toilet goods, etc. R.O.: 12 Northways Parade, Finchley Road, N.W.3.

MILES & COOPER (CHEMICALS), LTD. (P.C.).—Capital £2,000. Objects: To acquire the business of a manufacturing and wholesale and retail chemist carried on by J. B. Miller at Studley Road, Stockwell.

JOHN GREEN & SON (ENFIELD), LTD. (P.C.).—Capital £2,000. Objects: To carry on the business of sheet gelatine manufacturers, manufacturing chemists, etc. R.O.: Belgrave Works, Ladysmith Road, Enfield, Middlesex.

MYRAM PICKER, LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of manufacturers and dealers in all kinds of patent, pharmaceutical, medicinal and medicated preparations, etc. R.O.: Brunel Road, East Acton, W.3.

J. & G. FORREST & Co., LTD. (P.C.).—Capital £500. Objects: To carry on business as vermin and insect destroyers and fumigators, etc. The first directors are not named. Solicitors: Redding, Bloomer & Co., 30 Bedford Row, W.C.1.

SHURZINE PHARMACY, LTD. (P.C.).—Capital £4,500. Objects: To acquire the business of chemists carried on by Mrs. E. M. Skyrme, Edward W. Skyrme, Mrs. G. M. F. Taylor and W. P. Hayter as "The Shurzine Pharmacy," at 12 Wellington Place, Hastings.

MONTECATINI SPA PRODUCTS, LTD. (P.C.).—Capital £100. Objects: To carry on the business of wholesale and retail chemists, analytical, research and manufacturing chemists, etc. The first directors are to be appointed. R.O.: 55-6 Chancery Lane, W.C.2.

PICOT, LTD. (P.C.).—Capital £100. Objects: To carry on any business connected with the purchase and sale of essences, lotions, oils, soaps, cosmetics, etc. Wallace P. Hibbert, perfumery manufacturer, 149A High Street, Kensington, W.8. director. R.O.: Aldwych House, Aldwych, W.C.2.

PARRIS & GREENING (OXYGEN SERVICES), LTD. (P.C.).—Capital £150. Objects: To carry on business as manufacturers of and dealers in oxygen, chemicals, drugs, medicines, oxygen tents, etc. Donald W. Hudson, 105 Church Road, Hove (director of Parris & Greening, Ltd., and Dubarry Perfumery, Ltd.), director. R.O.: 103 Church Road, Hove, Sussex.

DISPENSING SERVICE CO. (LONDON), LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of manufacturers and dealers in coin-worked and automatic machines, manufacturers and distillers of and dealers in perfumes, essences, soaps, toilet preparations and similar articles, etc. Robert C. Bass, 136 Park West, Marble Arch, W., director. R.O.: 11 Soho Square, W.1.

TAIRGTHE FEAMAINNE EIREANN, TEORANTA (Irish Sea Weed Products, Ltd.) (P.C.).—Registered in Dublin. Capital £10,000. Objects: To carry on the business of collectors of and dealers in seaweeds and products derived or made from seaweeds; manufacturers of all derivatives and by-products, such as alginates and all algenic salts, iodine compounds, etc. The first directors are not named. No R.O. given.

LUCOZADE, LTD. (P.C.).—Capital £1,000. Objects: To acquire the trade mark "Lucozade" together with the goodwill of the business carried on in connexion therewith, and to carry on the business of manufacturers and dealers in pharmaceutical preparations, soaps, cosmetics, perfumery and other preparations, etc. The first directors are to be appointed. Solicitors: McKenna & Co., 31-4, Basinghall Street, E.C.2.

GEO. R. GREASLEY & Co., LTD. (P.C.).—Capital £100. Objects: To acquire from George R. Greasley a treatment for the alleviation and cure of skin diseases, heretofore used by the said Geo. R. Greasley under the title of the "G.R.G." treatment; and to carry on the business of manufacturers of and dealers in patent and proprietary medicines, etc. The directors are not named. Solicitors: Gardner, Son, Garner & Reynard, 2 Booth Street, Manchester, 2.

COPELAND CHEMISTS, LTD.—Notice is given in "The London Gazette" that a meeting of the creditors of the above-named company has been convened for December 8 at 12 o'clock noon at Kimberley House, 14-17 Holborn Viaduct, London, W.C.2.

COMPANIES DISSOLVED.—Notice has been given in "The London Gazette" that the names of the following companies have been struck off the register and the companies dissolved: Citadel Pharmacy, Ltd.; Malden Chemical Industries, Ltd.; Mead's Cash Chemists, Ltd.; Portslade Pharmacy, Ltd.

Private Arrangements

J. H. Fletcher, 56 High Northgate, Darlington, chemist and optician. The creditors were called together, recently, when a statement of affairs was submitted showing liabilities of £252 5s. 5d. The assets totalled £292. The debtor, it was reported, had been trading for something like nineteen years. It was decided that the matter should be dealt with under a deed of assignment in favour of Mr. C. Mannifield, 69 Cannon Street, London, E.C., with a committee.

J. B. Hudson, 60 Station Road and 22 Albert Street, Jarrow-on-Tyne. The creditors of the above were called together recently at Newcastle-on-Tyne, when a statement of affairs was submitted showing ranking liabilities of £887 3s., of which £840 13s. 10d. was due to the trade and £46 9s. 2d. to partly secured creditors. The latter were the bankers, who claimed £226 17s. 2d., and they held a life policy valued at £180 8s. In addition there was a fully secured creditor for £167. After allowing £46 os. 5d. for preferential claims, the net assets were £809 7s. 1d., or a deficiency of £77 15s. 11d. It was reported that the debtor had been in business for many years. Accounts which had been prepared showed that during the year to March 31, 1936, the turnover was £3,150, with a gross profit of £625, and a net loss of £104, whilst in the following year the sales were £3,403, with a gross profit of £653 and a net loss of £293. No accounts were available for the year to March 31, 1938, but it was stated that the turnover at Station Road during that period was £1,836, whilst at Albert Street it had been £1,095, in addition to £350 in respect of National Insurance dispensing. After discussing the position it was decided that the debtor should execute a deed of assignment to Mr. J. M. Thompson, accountant, Newcastle-on-Tyne. A committee was also appointed.

Israel Best, 189 Stockwell Road, London, S.W., chemist and druggist. The creditors were called together recently at the offices of the Association of Manufacturing Chemists, 14-17 Holborn Viaduct, London, E.C., when a statement of affairs was submitted showing liabilities of £1,002 12s. 6d., made up as follows:—Trade creditors, £657 3s. 6d.; cash claims, £169 3s. 9d.; bankers, £26 15s. 3d.; and balance due on business, £149 10s. After allowing £211 15s. 3d. for preferential claims the net assets were £374 1s. 9d., or a deficiency of £628 10s. 9d. The debtor, it was stated, purchased a business at Cornwall Road (now known as Blenheim Gardens), S.W.2, in November 1936, agreeing to pay £150 for it. At that time he had a capital of £30, and it was decided that he should pay the purchase price over a period of five years at the rate of 50 per cent. of the net profits, after allowing for drawings of £5 a week, plus interest at the rate of 5 per cent. There was now an amount of £149 10s., due to the vendor of that business. On November 1, 1937, the debtor opened a business at 189 Stockwell Road, taking a lease of the premises for 21 years at a rental of £150, rising to £200 per annum, exclusive. On September 21 last he entered into an arrangement to sell the stock, fixtures and fittings of the Cornwall Road business for £150. Of that amount £50 was paid down, and it was agreed that the balance should be paid by instalments. The cash creditors in the statement of affairs were friends of the debtor's, and their claims arose in respect of money lent from time to time. The bank held no security for their overdraft. The debtor was anxious to continue trading, and he anticipated that he would be able to obtain assistance from friends for that purpose. After discussing the position the creditors decided that the deed of assignment already executed to Mr. P. S. Booth, of the Association of Manufacturing Chemists, should be confirmed. A committee was also appointed. It was further decided that if arrangements could be made within fourteen days for the payment of a composition of 10s. in the £ it should be accepted.

National Pharmaceutical Union

MEETINGS of the executives of the National Pharmaceutical Union and Chemists' Defence Association were held at 4 and 5 Queen Square, London, W.C.1, on November 22 and 23, Mr. S. J. Stearn in the chair.

Chemists' Friends Scheme

Five applications from manufacturers for inclusion in the C.F. list were received, and referred to the C.F. committee. This committee, following the annual meeting of C.F. manufacturers, is to be reconstituted on a wider basis, and applications for inclusion in the list are to be considered and decided by a committee comprising representatives of retailers, manufacturers and wholesalers.

Local Organisation

A report from the general purposes committee on the further programme of branch meetings arranged for the winter session, was received, and the formation of the County of Monmouthshire Branch (to replace the Newport and Monmouthshire Branches) and of the Tunbridge Wells Branch, was confirmed.

National Health Insurance Contract

It was reported that the Ministry of Health had instructed Pricing Bureaux to make payments to chemists in full in respect of accounts for prescriptions as from September 1938 and to pay at the earliest possible date the sums deducted from the chemists' accounts by way of discount in the earlier months of the year. As a result of the institution of the new full-payment contract from January 1, 1938, amendments were to be made to the N.H.I. (Medical Benefit Regulations), 1936, and notice was to be given by the Insurance Committees to chemists of the alteration of their terms of service. Resolutions

from branches expressing appreciation of the work done by the Executive and by Mr. Mallinson in securing the new contract were received. The question of multiplicity of sizes of adhesive plasters that have to be kept in stock by chemists was to be taken up with the Ministry of Health, with a view to securing some amendment of the Drug-Tariff requirements.

Support to Other Organisations

Reports were received from the Early Closing Association and from the National Association for the Extension of Health and Pensions Insurance, outlining their future programmes, and it was agreed that support should be continued in so far as the programmes did not conflict with the problems arising from the special trading conditions in pharmacy.

C.D.A. Matters

The secretary reported that there had been no developments in twenty-eight cases outstanding from the previous meeting of directors, and seven of these could be regarded as closed. In two other outstanding cases, settlements had been made as follows: Transposed labels (payment of £1 1s.); customer's ankle injured by fall on steps (payment of £27 2s.). In a further case arising out of injuries alleged to have been caused by first-aid treatment given by a member for a bee sting, proceedings instituted by the plaintiff had been withdrawn, and a substantial payment had been obtained from the claimant towards the costs incurred on behalf of the member. Thirteen claims on members had been notified since the last meeting of the directors, and of these three had been settled: Damage to car caused by cycling errand boy (two cases) (payments of £2 2s. and 4s. 6d.); coat of passer-by torn by projection on shop front (payment of 10s.). The remaining outstanding cases were left in the hands of the secretary.

Chemists' Friends Manufacturers

At the third annual meeting of C.F. manufacturers, held on November 23, fifty-six manufacturers were presided over by Mr. E. C. Cripps (Allen & Hanburys, Ltd.). After welcoming the representatives, Mr. Cripps presented the report of the Chemists' Friends committee, whose function had been to administer the Chemists' Friends scheme generally, and in particular to exercise control over the distribution of C.F. products. The report directed attention to the increase in the number of manufacturers co-operating in the movement from sixty-nine to eighty-eight during the year. Limitation of the channel of wholesale distribution of C.F. products, which had been put into effect in March 1938 by the institution of a list of approved distributors by wholesale of C.F. products, had proved effective to a considerable extent in checking leakages of supplies to unqualified traders. Leakages that had occurred had been investigated, and although it had not been possible to trace and stop the source of supplies in all cases reported, the number of unqualified traders handling C.F. products had been substantially diminished. Steps were being taken to enable the source of leakage to be traced more readily. The question of distribution of C.F. products in rural areas had received attention during the year, as a result of complaints from unqualified traders demanding supplies because they said inconvenience in their areas resulted to the public from the limitation of distribution of C.F. products to retail chemists. All reported cases had been investigated locally, and in no case had the complaint of hardship to the public been substantiated. Nevertheless, the National Pharmaceutical Union recognised that they had a responsibility to C.F. manufacturers to ensure that chemists provided adequate distribution.

Formation of Association and Council

The most important feature of the report was a proposal that, in view of the continued growth of the movement and its increasing effect on all sections of the drug trade, control should be vested in a body comprising representatives of retail,

wholesale and manufacturing interests. This proposal was adopted, and as a result the Chemists' Friends Association comes into being, its membership comprising all C.F. manufacturers, all wholesalers included in the list of approved wholesale distributors of C.F. products and chemist retailers who are members of the N.P.U. The executive committee of the association will be known as the Chemists' Friends Council, and will consist of eight representatives of retailers, six of C.F. manufacturers elected from among their number, and two of wholesalers elected by approved wholesalers. The duties of the council will be to administer the Chemists' Friends scheme generally, in accordance with the manufacturers' agreement made with N.P.U., Ltd., to receive and decide applications in connexion with the C.F. scheme, to promote and maintain interest in the distribution and sale of C.F. products, and to promote publicity for the furtherance of the scheme. In anticipation of the C.F. scheme being put into operation in Scotland, provision has been made for the representation of Scottish retailers on the Chemists' Friends Council, and for a Scottish C.F. committee to deal with matters arising in Scotland in connexion with the operation of the C.F. scheme. The report of the C.F. committee was adopted.

Election of Manufacturers' Representatives

The election of manufacturers' representatives to serve on the C.F. committee for the ensuing year had been conducted by postal ballot prior to the meeting, and in view of the decision to proceed with the formation of the Chemists' Friends Association and C.F. council, it was agreed that the manufacturers' representatives on the council should be those elected to serve on the C.F. committee, which has been replaced by the council. As a result of the ballot the following firms were declared to be elected: Allen & Hanburys, Ltd.; The British Drug Houses, Ltd.; Evans Sons Lescher & Webb, Ltd.; Genatosan, Ltd.; Meggeson & Co., Ltd.; Parke, Davis & Co. The proceedings terminated with a vote of thanks to the chairman (Mr. Cripps), and secretary (Mr. G. A. Mallinson).

Irish Drug Association

A SPECIAL delegate meeting of the Irish Drug Association was held at Dublin on November 21, Mr. P. A. Brady (president) in the chair. The attendance included Messrs. F. Loughman, T. D., Clonmel; A. R. Lester, Cork; P. Teehan, Kilkenny; T. Hogan, Tramore; T. J. Burke, Cavan; R. O'Rourke, Mountrath; J. K. Whelehan, Mullingar. Members of the Executive Committee of the Association present included Messrs. P. F. McGrath, T. C. Scott, J. Duggan, E. MacMahon, G. McLean Lee, G. O'Neill, and J. O'Rourke. Mr. R. J. Kidney (secretary) and Mr. Brendan Smith (organiser) were in attendance.

Chairman's Address

THE CHAIRMAN said he was pleased to inform delegates that the Government officially recognised the Irish Drug Association, and from time to time approached and consulted it on trade problems. At the previous delegates' meeting on April 25 it had been unanimously agreed that all manufacturers on the approved list should be asked to code their lines. He had personally approached many firms, had conversations with various manufacturers' representatives, and learned that at the moment this request was not likely to be acceded to; consequently the matter was not being pressed too strongly. A number of lines were coded, and he believed eventually most of the approved manufacturers would fall in with their suggestion. "Since the two Shops Acts came into force on May 16," the chairman went on, "we have succeeded in obtaining a number of exemptions. We are still awaiting a reply in connexion with exemptions we have sought from the Shops (Conditions of Employment) Act, so that the conditions under this Act, on which we circularised all members, still apply." Regarding the Shops (Hours of Trading) Act, members were now practically completely exempt; no order could be made under Part I of the Act to close chemists' shops completely, as pharmacy was an excepted business. Part II dealt with half-holiday closing, and practically all chemists' lines were now exempted. Part III, dealing with Sunday trading, had been entirely suspended. The committee were pleased that their efforts had been rewarded. In June, Mr. Kidney and Mr. Brendan Smith had journeyed to Nottingham and met directors of the United Drug Co., Ltd., and had asked them to discontinue the practice of running "penny sales" in Eire. The company had taken time to consider the question, and now informed the Association that, owing to contractual obligations, etc., it was not possible to discontinue these sales completely. They had agreed, after correspondence, that in future no items included in the drugs and chemicals section of the Association's approved list should appear on their sales sheets. A suggestion that one instead of two sales should be held in each year would be considered, with certain other suggestions, in the New Year, and the committee felt that discussion along these lines was the best way to secure discontinuance of such "penny sales." The price list had been issued in June after unavoidable delay, and in its present form was a comprehensive list; he did not understand how anyone now could carry on his business without it and the price corrections issued regularly as a supplement to it. Sometimes the Association was slow in altering prices, particularly a reduction. This was a deliberate policy in order to give members an opportunity of clearing stocks bought at old prices.

PACKAGE-TAX DIFFICULTIES

He now came to a difficulty with which the committee was faced. Owing to the Anglo-Irish Trade Agreement, a reduction of one penny had taken place in the package tax, and the wholesale and retail sections had had numerous meetings to discuss the position. Several other matters were discussed at these meetings, such as supplies to nursing homes and the approved list. A charge of 5 per cent. on members for returns was agreed upon. It was also agreed that more co-operation should be shown between the two sections in all matters, particularly in fixing and altering prices. The first call by the retail section for more co-operation from one of the Association's approved wholesalers had not been so successful; this firm was shortly to issue a price list to the trade, and by arrangement the list was forwarded to the Association for proof-reading. The retail prices of nearly all lines affected by the package tax showed a reduction of one penny; because the committee did not wish to reduce certain lines, prices were

adjusted to the Association's standards. The reasons for this were many. Certain lines were slow sellers, and they wanted to scale prices and keep them at rounded sums, such as 1s. 3d. and 2s. 6d. instead of such prices as 1s. 2d. and 2s. 8d. Also, some of these lines did not show sufficient profit, so naturally they would not reduce them. It was considered pointless by the committee to reduce a line priced at, say, 12s. to 11s. 11d. The firm of wholesalers in question, however, had refused to co-operate and accept the committee's prices, and the new list issued by this firm—unless some change occurred—would contain prices differing from the Association's prices in cost cases. He would like the members to give opinions on the suitability, or otherwise, of the Association's drug prices for country districts. The Prices Commission had been supplied by the committee with the current price list, and notified of the price alterations as and when they occurred, and this body seemed satisfied at the moment that the charges were justifiable. Another Government department—the Department of Industry and Commerce—had been in touch with the Association in connexion with supplies in the event of a national emergency. The matter was still under discussion. The Chemists' Assistants' Union had approached them, and several meetings had taken place at which the limitation of apprentices was discussed, and the 1936 agreement clarified. The number of apprentices engaged in pharmacy to-day was too high, and they did not feel too comfortable when they saw the number of shops that had been opened, particularly in the past few years. If shops continued to open at the average rate of the last five years, conditions would not be too healthy. With this in mind, the committee had met a delegation from the Council of the Pharmaceutical Society of Ireland, and talked on the limitation of apprentices and the 1908 Poisons Act. The meeting did not arrive at any definite conclusion or opinion. In connexion with the 1908 Act, the cost to the Pharmaceutical Society of prosecutions brought this year amounted to over £205, while the fines, costs and expenses received amounted to about £119. There was thus a considerable loss incurred by the Society. The Registrar, in a communication to the Council of the Society on the subject, had said: "In very many cases the District Justices applied the Probation Act to summonses under the Pharmacy Act, with the result that the Society was heavily penalised. In the cases before one District Justice in particular, the expenses amounted to £52 4s. 1d., and the Society was awarded £6 15s. In my opinion the Society cannot continue to bear these heavy losses. The Society has no grant from public funds, and its own funds are not sufficient to sustain these losses. I suggest that the facts be brought to the notice of the Minister for Justice. I feel that the Society will receive a sympathetic hearing, as the Minister has accepted the Society's view and refused to reduce the penalties in all the cases where an appeal has been made to him for a reduction of penalties." The chairman said they had experienced considerable difficulty with some people in the South of Ireland over leakage of approved lines; these people would not give a guarantee to control distribution. If this were allowed to continue it would undermine their approved list. He would like to hear the views of country delegates.

Discussion

MR. TEEHAN said there were plenty of leakages of approved lines, including certain patent foods, in Kilkenny.

THE CHAIRMAN said the leakage he had in mind was in Waterford, where certain people had refused to guarantee that they would cease supplying protected lines to outside traders. The amount involved was negligible, but the principle was what the Association was concerned with.

MR. LESTER said a case of leakage was reported to his Association in Cork by a member who stated that supplies of approved lines were reaching a shopkeeper next door. The supplies were alleged to have come from firms in Cork city.

MR. BURKE thought the Proprietary Articles Trade Association should have an inspector in Eire, since they had so many subscribing members here.

THE CHAIRMAN said there was no P.A.T.A. inspector in Eire, and they had no representative on the Board. At one time he felt they should have a permanent representative on the P.A.T.A., but that was not possible, and they had no chance of having a representative elected. Were it not for the P.A.T.A., things would be much worse, in view of the existence

of so many cut-price shops in Dublin. Where leakages of lines came under any member's notice it should be reported to the Association at once so that they could harass the representatives concerned.

MR. LESTER: I am told glucose-D is being sold in lots of two ounces at a time.

MR. BURKE: Is that by chemists?

MR. LESTER: Yes. If this practice is carried to its logical conclusion, how are you going to say it is glucose-D at all?

THE CHAIRMAN said they had a guarantee from a large Limerick wholesaler that he would not supply any goods on the approved list to non-qualified traders.

MR. LESTER: The great complaint in the South is sales of chemists' lines by the "huckster" shops.

THE CHAIRMAN said they had made one notable advance in getting the sale of a well-known brand of liver salts stopped in the cut-price shops. The manufacturers had such large sales outside chemists that they could not be induced to confine it to the drug trade.

MR. McLEAN LEE said chemists in Ireland were in a better position than chemists in Great Britain, but unfortunately this worked against them when trying to have lines confined to themselves, because the patent-medicine manufacturers regarded the position as similar to England, where they had a large proportion of sales amongst non-chemists.

MR. BURKE: We should try and get the manufacturers of nationally advertised products to recognise the difference between conditions here and in England.

MR. LOUGHMAN thought they should attack certain lines. He had in mind a particular brand of salts of which he saw big displays in grocers' windows. It should be possible by chemists' window displays and advertising of an alternative line to combat this kind of business.

THE CHAIRMAN said the difficulty in endeavouring to popularise a line against one such as Mr. Loughman suggested was the fact they had to fight against big advertising campaigns.

MR. LOUGHMAN: Suppose a certain amount was allowed out of the general profit on the opposing line to advertise it, and this backed up with window and counter displays. Then it might be possible to talk to some of those other manufacturers.

THE CHAIRMAN: I would rather go on the line that to confine sales to chemists was well worth while from the manufacturer's viewpoint.

MR. MACMAHON expressed the view that if they could have a statement printed on labels of approved lines that the retailers of them were pharmaceutical chemists, or registered druggists, that would eliminate the "huckster" shops.

MR. WHELEHAN said the effort to combine with the makers of approved lines by window displays did not prove very successful.

MR. MACMAHON mentioned that many chemists in Dublin were giving window displays of a certain proprietary made by a firm with which the I.D.A. had been in dispute.

MR. McGRATH denied that was so, and the chairman said the Association was pleased with the loyalty of its members when this trouble arose. The firm in question had gone off the approved list, and he hoped they would be persuaded to come back. It would be a good idea if secretaries of local associations made representations to this company pointing out how ill-advised it would be for them to continue their present policy.

MR. HOGAN, replying to some delegates, said the opinion of chemists in the Waterford area was opposed to the action of a firm who sold chemists' lines direct from vans to the farmers.

THE CHAIRMAN said they would have to take the matter up with the manufacturers concerned.

MR. LOUGHMAN thought the whole problem was narrowed down to the issue of confining the sale of medicines to chemists.

THE CHAIRMAN said that raised the difficulty of determining what was a medicine.

MR. MACMAHON: To achieve it means a new Pharmacy Bill.

MR. O'ROURKE referred to the big advances made in this direction by pharmacists in New Zealand, where they had achieved what Mr. Loughman suggested.

MR. LOUGHMAN: So long as we do not inflict any hardship on the community I see no objection to such legislation.

THE CHAIRMAN thought if they secured exclusive control over the sale of medicines they would lose the sale of films, toilets, baby foods, and other lines held at present, but several of the delegates disagreed with this view.

It was decided to continue negotiations with the wholesalers

on the question of the dispute over the sale of a certain proprietary. The meeting next discussed the position with regard to the 1908 Act. The chairman said the law was being flagrantly broken by many licence holders, but the Pharmaceutical Society, as he had explained, were in a difficult position in following up the offenders.

MR. BURKE: I think the Society should not expect to make a profit out of these prosecutions.

THE CHAIRMAN: They do not want to make a profit, but they do not want to lose.

MR. BURKE: If the local association oppose they will incur a lot of odium.

MR. SCOTT: They could do it as a body.

THE CHAIRMAN: These licences are not required in many places. In towns where you had only one chemist eight or ten years ago you have three and four now.

MR. O'ROURKE mentioned a case where the police authorities opposed the granting of a licence in co. Dublin in a district where there was already a chemist, and the police succeeded.

MR. BRENDAN SMITH said he had a register of the persons holding 1908 Act licences for the whole country, and could supply lists for any particular area.

MR. BURKE: The people to take action are the Pharmaceutical Society. They should approach the Minister for Justice on the matter. The Minister could ask the Civic-Guard superintendents to investigate the position. If the matter was approached in this way the Society would not lose any money.

THE CHAIRMAN: If the Minister went down the country and saw the conditions under which these things were sold he would come back one hundred per cent. in favour of closing down many of these licences.

The question of the insurance of chemists was next discussed, and the chairman said that although the Association had got good terms and a good policy from the Irish National Assurance Co., this company had not received the support it expected from chemists. Recent prosecutions showed that many people who should have been insured were not.

MR. LESTER said the tendency of insurance companies with headquarters in Dublin, or elsewhere, was to consider themselves, and not the individual, with the result that they often brought people into court when the matter could be settled out of court.

MR. McGRATH said the policy of the Irish National Assurance Co. was to avoid bringing people into court.

MR. McLEAN LEE said that after the other insurance companies in Dublin had turned them down the Irish National came along and provided a good policy. Then the other companies started looking for the business. If they received a sufficiently large number of premiums the Irish National were prepared to reduce their rates still further.

THE CHAIRMAN, reviewing the position with regard to "penny sales" said he had received a request from five members to call a special meeting. In view of the present position the meeting was not called.

MR. LYALL SMITH said in comparison with the position in England they had done well in having "penny sales" cut down to toilet and semi-pharmaceutical lines. He did not think these sales were doing chemists the harm they were led to believe. He proposed that the meeting should express itself satisfied with what the Association had done in the matter, and that further action be left in the hands of the Committee.

THE CHAIRMAN said the Association had not been idle. They had been trying hard to get rid of "penny sales," and hoped to succeed at a future date.

MR. SCOTT seconded Mr. Lyall Smith's proposal.

MR. McLEAN LEE moved an amendment to the effect that whilst the meeting was satisfied the Committee had done all it could in the circumstances to stop "penny sales," and while they were satisfied with the efforts of the committee, so far as they had gone, the meeting still felt that the committee should not halt or curtail their efforts to stop these sales.

MR. BURKE said it was all right for members of the committee in Dublin and delegates to say they were satisfied, but the ordinary members of the Association down the country knew very little of what had been done. The fortnightly notices sent out by the committee should give some indication of the action taken, for the information of those members. He was in agreement with the amendment that the committee should continue to do all it could in the matter.

MR. MACMAHON said not only "penny sales," but "week-end sales" were spreading in Dublin.

MR. M. O'ROURKE seconded Mr. McLean Lee's motion, which was carried, Mr. Lyall Smith withdrawing his original motion.

Ulster Chemists' Association

THE annual meeting of the Ulster Chemists' Association was held at 73 University Street, Belfast, on November 23, the president (Mr. R. Linehan) in the chair.

Executive Committee's Report

The executive committee's report stated that membership now totalled 374; during the year eleven new members had been enrolled, four gave up business, four pharmacies changed ownership, four closed through a loss in trading and four members were suspended for non-payment of subscription. Ten ordinary committee meetings and six subcommittee meetings had been held, and a subcommittee was at present engaged in revising and preparing a new price list, which would be sent out in the early part of the coming year. In the matter of prescription coding, the committee had advocated that pricing should be left to the discretion of the chemist who first dispensed a prescription, which should be faithfully coded and the coded price as faithfully observed by other chemists. A letter embodying those principles and requesting a definite statement as to whether or not they would be accepted and acted upon had been sent out to each chemist in Northern Ireland; it was gratifying to record that a high percentage of favourable replies had been received. A scale of suggested prices had then been drawn up and sent out to all members. As decided at the previous annual meeting, the advertising campaign had been continued, and as the £140 then allocated had now been expended the committee would welcome opinions on whether the policy should be continued. The Chemists' Friends movement had continued to progress; at present there were eighty-five firms on the National Pharmaceutical Union's list. Of these, sixty-five had agreed to extend the movement to Northern Ireland and had had their N.P.U. agreements amended accordingly; five could not see their way at present to include Northern Ireland; and in regard to the other fifteen it was anticipated that their consent would be received in due course. An up-to-date list of C.F. manufacturers would be sent to members as soon as possible. The committee again emphasised the importance of all members supporting the products of the firms on the list. Such co-operation was essential if firms were to continue to support the chemist. No fewer than 290 price alterations had been notified by the Association during the year; complaints as to price-cutting had been investigated and adjusted, and representations had been made to various manufacturers, with a certain amount of success, regarding the necessity of increasing the margin of profit allowed to the chemist. The committee was anxious to do everything possible to arouse interest in the Association, and would willingly arrange small deputations to visit and confer with chemists who might have formed themselves into local associations.

Adoption of Report

THE CHAIRMAN, moving the adoption of the report, expressed the pleasure of the meeting at having their secretary (Mr. William Blair) back again after his serious illness. He took the opportunity of thanking Mr. E. A. Richey (vice-president) for the way in which he had temporarily carried out the secretarial duties. He made the comment that with a few exceptions the members were now conforming to the principle of coding; it was a pity the remainder would not come into line. The Chemists' Friends scheme had been of great benefit to the Association; it was up to chemists to play their part by giving manufacturers' goods a recommendation where possible. He could not but notice the number of sixpenny lines that were being put on the market; such items were not of much use to the chemist, and in every instance he should keep them in the background as much as possible. The chairman mentioned that the Ministry of Labour had complained about some of the bottles in which chemists dispensed prescriptions. The complaint was that often, when a customer brought in a lemonade or other kind of bottle, the chemist simply used it. That kind of thing did not add to the prestige of the chemist, and he suggested that chemists should refrain from the practice. MR. E. A. RICHEY seconded and the report was adopted.

THE SECRETARY thanked the chairman for his kind reference to himself; the committee and members for their sympathy

and consideration during his illness; and particularly Mr. Richey, who had fulfilled the secretarial duties.

Discussion

There followed a discussion on advertising and its continuance.

MR. JAMES DUNDEE thought that if they were going to reap any benefit from what they had spent they must continue their advertising policy. In his opinion the newspaper advertising should be continued, and the committee would be well advised to consider the addition of a personal letter to householders on the theme "the chemist is more than a friend." He proposed that the Association should spend up to £150 on advertising during the coming year, the manner of the advertising to be left to the committee.

MR. J. W. GRAY, Armagh, seconded and the motion was carried.

THE SECRETARY submitted a resolution from the Londonderry Chemists' and Druggists' Association: "That this Association is of opinion that chemists should refuse to feature or handle new proprietary medicinal and surgical goods unless they show a minimum profit of 33½ per cent. and are placed on the Chemists' Friends list." On the proposal of THE CHAIRMAN the resolution was cordially approved.

Treasurer's Report and Election of Committee

The treasurer's report, presented by Mr. W. J. RANKIN, showed the Association to be in a sound financial condition. It was adopted on the motion of Mr. JOHN McDOWELL, seconded by MR. JAMES MACAULEY.

MR. MACAULEY presented a satisfactory auditors' report, and he and his co-auditor, Mr. A. E. A. Davis, complimented the treasurer and his brother, Mr. Hugh Rankin, on an admirably kept set of books.

On the motion of MR. DUNDEE, seconded by MR. DAVIS, the four members of committee retiring by rotation, Messrs. J. Adams, T. A. Gibson, P. R. W. Shinner and A. Steele, were re-elected. The other four vacancies will be filled by co-option.

On the proposal of MR. ADAMS, seconded by MR. P. R. W. SHINNER, the meeting fixed the annual subscription at the same figure as previously.

Address on Air-Raid Precautions

There followed an address on Air-Raid Precautions by Major F. S. Eastwood (A.R.P. officer for Belfast), in which it was pointed out that the chemist could play an important part in time of national emergency. Major Eastwood said volunteers were urgently wanted. The authorities needed every member of the pharmaceutical profession they could get to volunteer for gas-detection work—a job for which they were particularly suited owing to their professional training. The Medical Officer of Health and he had discussed the matter thoroughly, and their view was that in time of a raid a chemist's shop would be the equivalent of the old regimental aid post, apart altogether from the work of chemists as detectors. In other words, minor casualties could be treated at chemists' shops, leaving stretcher parties more scope for dealing with serious cases, which would be conveyed to first-aid stations. That was not in the Imperial scheme, although he considered it ought to be, but he was putting it up to the A.R.P. authorities, and if he could get the assistance of the Chemists' Association it would be of great benefit to the A.R.P. service.

Questions and a Resolution

In reply to a question, Major Eastwood explained that the gas detector's job was to distinguish the presence of gas and to notify wardens so that a decontamination squad could be rushed to the affected area.

MR. SHINNER pointed out that a number of members had St. John ambulance certificates, and all had a more or less rudimentary knowledge of first aid; he took it that it would be better if they concentrated on gas-detection training.

MAJOR EASTWOOD replied that the chemist would be useful from both points of view, but in shops where assistants were

employed perhaps it could be arranged to have the assistants trained in first aid.

THE CHAIRMAN thought he could assure Major Eastwood of the loyal co-operation of members.

MAJOR EASTWOOD said that from what he knew of chemists in general he was confident that they would make a first-class A.R.P. service. If they did happen to be organised they would be under their own officers.

MR. DUNDEE pointed out that, owing to night duty, chemists would find difficulty in attending training classes. They would require alternate nights for training purposes.

MAJOR EASTWOOD said they would arrange training classes to suit, and if necessary would run them three nights a week.

MR. SHINNER said he did not think individual classes should be held for chemists. There was no reason why they should not dovetail themselves into the ordinary classes in the different wards of the city.

MAJOR EASTWOOD said that would be quite in order for first aid, but it would not apply to gas detection, which was not yet being generally taught. Gas detection was more or less a specialist service, and he thought that the chemist by reason of his training and education was particularly adapted to it.

On the motion of MR. R. A. SIMMONS, seconded by MR. H. J. COUSLEY, the meeting formally pledged the Association's co-operation in A.R.P. work. An A.R.P. subcommittee consisting of Messrs. Shinner, Dundee, J. Adams and the secretary was appointed to go into the matter with Major Eastwood and make the preliminary arrangements.

MAJOR EASTWOOD, returning thanks, said the authorities needed the co-operation of thinking bodies like the Ulster Chemists' Association.

On the motion of MR. SHINNER a vote of thanks was passed to Major Eastwood for his address.

Trade Notes

CAMPHOR.—Schering, Ltd., 185-192 High Holborn, London, W.C.1, advertise in this issue camphor and other raw materials, stocks of which are held in London.

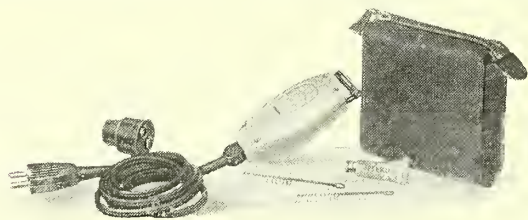
GUERLAIN SOAP.—Elsewhere in this issue appears an advertisement relating to Guerlain soap which, it is stated, has special points of interest.

LUCOZADE.—Lucozade, Ltd., have appointed Macleans, Ltd., Great West Road, Brentford, Middlesex, sole selling and distributing agents for Lucozade from December 1.

BRAND'S ESSENCE.—Brand & Co., Ltd., Mayfair Works, Vauxhall, London, S.W.8, are directing attention to their special window display services and inquiries are invited.

EUCALYPTUS OILS.—Burnside's eucalyptus oils are advertised in this issue, agents for which are Wilson & Mansfield, Ltd., 15 Philpot Lane, London, E.C.3, who supply on wholesale terms only.

SPEEKO SHAVER.—Illustrated on this page is the Speeko electric shaver which, it is stated, is the only electric shaver not requiring a resistance. There is a switch on the shaver itself which controls the voltage so that the Speeko is suitable



for any voltage from 100 to 250 a.c. or d.c. In addition, there is a rounded shearing head which makes shaving with a Speeko smooth and comfortable. Further details are given in our advertisement pages or may be obtained from Thompson & Capper Wholesale, Ltd., Speke Hall Road, Liverpool, 19.

SUMMIT HYPODERMIC NEEDLES are now all-British, and the sole manufacturing rights have been taken over by S. & R. J. Everett & Co., Ltd., Thornton Heath, Surrey. Further details are given in our advertisement pages.

GREETINGS CARDS FOR CHRISTMAS.—Raphael Tuck & Sons, Ltd., Raphael House, Moorfields, London, E.C.2, have sent us specimens of their range of Christmas and greeting cards, which in variety and artistic appeal maintain the tradition of this house for quality products in this sphere.

C.F. SCHEME EXPLAINED.—Under the title "Pharmacy for the Pharmacist," and with a foreword by Mr. G. A. Mallinson, M.P.S., secretary of the N.P.U., a booklet has recently been compiled by Mr. J. E. Blackwell, M.P.S., general sales manager, Genatosan, Ltd., Loughborough. The purpose of the publication is to present to pharmacists the views of a Chemists' Friends scheme manufacturer on the subject of pharmacy for the pharmacist.

MEDICINAL PARAFFIN.—The Barter Trading Corporation, Ltd., 14 Waterloo Place, London, S.W.1, direct attention to an Empire product in liquid medicinal paraffin which corresponds to the B.P. standard.

SEASON PRODUCTS.—Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C.1, advertise in this issue Wellcome toilet lanoline and Menthofax, which are suggested as suitable products for wintry days.

NIGHT LAMPS.—Pifco, Ltd., Watling Street, Manchester, advertise electric night lamps which are topical at this time of the year. A free display stand is offered, details of which are given in our advertisement pages.

ENO FOR CHRISTMAS.—Eno's fruit salt, it is suggested, can be recommended during the Christmas season for dietetic indiscretions. Eno's salt is advertised during the winter months, and chemists are invited to co-operate with this scheme.

MEDICAL REGISTER.—Orders for the Office Edition of the Medical Register, 1939, published by the General Medical Council at the special price of 10s. a copy, post free, must be received, with a remittance, at the Office of the Council not later than December 31, 1938.

GIBBS DENTIFRICE.—D. & W. Gibbs, Ltd., London, E.1, announce that Gibbs dentifrice goes "on the air." This form of advertisement has been adopted to promote the sales of the product amongst chemists who are advised to display Gibbs dentifrice.

CHRISTMAS DISPLAY CATALOGUE.—A sixty-four page booklet, printed in red and green, gives details of special Christmas display aids and materials offered by J. C. King, Ltd., 42 Goswell Road, London, E.C.1. A copy will be sent by Messrs. King on request.

ELECTRICAL CENTRE.—Details of lighting and heating methods advised by the Mortimer Gall Electrical Centre are contained in a booklet, "Light and Heat," obtainable from the proprietors, Mortimer, Gall & Co., Ltd., 115 Cannon Street, London, E.C.4.

DECORATION LAMP OUTFITS.—Among new outfits produced by the General Electric Co., Ltd., Magnet House, Kingsway, London, W.C.2, are a set of "fairy" lights (twelve cone-type lamps in assorted colours, complete with decorative flex, etc.) and a set of "party" lights (twelve coloured bell shades illustrated with nursery-rhyme designs and illustrated). Details of these and other outfits will be sent by the makers on request.

ESTIMATION OF VITAMIN C.—The British Drug Houses, Ltd., Graham Street, City Road, London, N.1, have published a descriptive leaflet in reference to dichloro-indophenol tablets which enable the practitioner to estimate Vitamin C content of urine in cases of suspected deficiency. Hitherto an accurate determination of this nature has been possible only in well-equipped analytical and biochemical laboratories. The leaflet gives full details of the procedure, which is a simple one. Full particulars may be obtained in regard to the tablets on application.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary and Year-Book," 1938, p. 302.

(From "The Trade Marks Journal," November 23, 1938)

SCHEDULE III

- "SOMIZONE"; for medicinal chemicals, excluding soap (3). By Anestan, Ltd., 59 Brook Street, London, W.1. 586,811.
 "MILTON"; for medicated antiseptic liquid and ointment (3). By Milton Proprietary, Ltd., 10 Brewery Road, London, N.7. 575,559. (Associated.)
 "ST. BERNARD BRAND" with device of dog's head; for essential oils, excluding those for manufacture of food (4). By H. E. Daniel, Ltd., Dunster House, Mincing Lane, London, E.C.3. 586,775. (Associated.)
 "MARY STUART" facsimile signature; for perfumery (48). By Mary Stuart, 209 Auldhouse Road, Newlands, Glasgow. 586,078.

SCHEDULE IV

- Device of gardener with loaded wheelbarrow; for fertilisers and manures (1). By Midland Cattle Products, Ltd., 28 Bordesley Street, Birmingham, 5. 601,544.
 "MIA-HOL"; for perfumery, dentifrices, etc. (3). By Pierre Boucard, 30 Rue Singer, Paris. 601,704.
 "HUNTING"; for perfumery, dentifrices, etc. (3). By Lenthéric, Ltd., Standard Works, Lawrence Road, London, N.15. 601,844.
 "BI-ORO"; for perfumery, dentifrices, etc. (3). By Society of Chemical Industry in Basle, 141 Klybeckstrasse, Basle, Switzerland. 601,815.
 "ZANT"; for all goods, excluding infants' and invalids' foods (5). By Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool. 600,095. (Associated.)
 "CARBRO"; for a medicated food containing slippery elm (5). By Carter Bros., Otley Road, Shipley, Yorks. 600,327. (Associated.)
 "STIMUSOL"; for medicinal preparations (5). By Chase Laboratories, Ltd., 71 Chase Road, London, N.W.10. 601,037.
 "CARBACT"; for pharmaceutical preparations, etc. (5). By Wilcox, Jozeau & Co., Ltd., Harp Works, North Circular Road, London, N.W.2. 600,629.
 "RODINE" with label device of beetles (device of beetles disclaimed); for beetle and cockroach destroyers (5). By Thomas Harley, Ltd., 55 South Methven Street, Perth. 601,235. (Associated.)
 "NEUTRACIDO"; for preparations for stomach ailments (5). By J. F. Miller, 52 Wardour Street, London, W.1. 601,220.
 "THE THREE DOCTORS" with period design of three doctors; for medicines (5). By Francis Newbery (Charterhouse), Ltd., 18 Charterhouse Square, London, E.C.1. 600,873.
 "TRANSPULVET"; for veterinary preparations (5). By Homburg Pharma, Ltd., Africa House, Kingsway, London, W.C.2. 601,620. (Associated.)
 "GYPSONA"; for all goods (5). By T. J. Smith & Nephew, Ltd., Neptune Street, Hull. 601,308.
 "ALBUCID"; for pharmaceutical preparations (5). By Schering, Ltd., 185 High Holborn, London, W.C.1. 601,239.
 "UZELO"; for medicated toilet paper (5). By J. Rutherford & Co., Ltd., Victoria Mills, Chillingworth Road, London, N.7. 601,700.
 "TRIUMPH"; for unmedicated toilet paper (16). By David Reid, Ltd., 7 Abingdon Road, London, W.8. 601,772.

APPLICATION AMENDMENTS

- The specification for "ENOULAN" in Class 2, No. 583,629, by Oelwerke Noury & Van der Lande, Ges.m.b.H., has been amended by excluding the word "disinfectants."
 The specification for "ENOULAN" in Class 3, No. 583,630, by Oelwerke Noury & Van der Lande, Ges.m.b.H., has been amended to "Vitamin E concentrates and wheat germ oils, all prepared for use in medicine and pharmacy."

(From "The Trade Marks Journal," November 30, 1938)

SCHEDULE III

- "DEODOLAV"; for deodorisers for lavatory bowls (2). By F. Mitchell (Chemist), Ltd., 55 Darley Street, Bradford, Yorks. 586,750. (Associated.)
 "KEMT"; for perfumery, excluding soap (48). By Drugs, Ltd., 145 Sydney Road, London, N.10. B586,645.

SCHEDULE IV

- "DISPOLENE"; for chemicals used in industry and science (1). By Honeywill & Stein, Ltd., 21 St. James's Square, London, S.W.1. 600,148.
 "STAB-LEX"; for agricultural chemicals, etc. (1). By Stablax, Ltd., Symonds Green, Stevenage, Herts. B600,581.

Births

Notices for insertion in this column must be properly authenticated.

FREYNE.—At the Lisieux Nursing Home, Herbert Place, Dublin, recently, the wife of John G. Freyne, L.P.S.I., Dublin, of a daughter.

Deaths

ARMITAGE.—Recently, Mr. Thomas Armitage, Ph.C., Hanwell, London, W.7, aged sixty-five.

HEPPENSTALL.—On November 26, in London, Mr. Frederick Stanley Heppenstall, aged sixty-one. Funeral at St. Peter's, Brockley, London, S.E., on Friday, December 2, at 11 a.m. Mr. Heppenstall, who was a director of James Laing, Son & Co., Ltd., Mincing Lane, merchants, was well-known in the London drug trade. He was an expert in Sudan gum acacia and similar products. Mr. Heppenstall was a member of the Court of Common Council, representing the Tower ward.

LUNT.—At the Torbay Hospital, Torquay, on November 17, Mr. Herbert Lunt, the husband of Mrs. M. Lunt, M.P.S. The Torquay and District Branch of the Pharmaceutical Society was represented at the funeral on November 19 by Mr. T. D. Evans (secretary) and Mrs. W. H. Wyatt.

REID.—At 10 Hillside Street, Edinburgh, on November 26, Mr. John Loudon Reid, M.P.S., late 25 Elm Row. Mr. Reid passed the Minor examination in 1895. He retired in July owing to ill-health.

Personalities

COUNCILLOR D. J. BAILEY, J.P., M.P.S., has been appointed chairman of Blackpool Insurance Committee.

MR. WALTER DEACON, J.P., vice-president of the Pharmaceutical Society, has been re-elected for the third time as an alderman of Bridgwater, and also re-elected as the chairman of the health and other committees.

MR. ALEXANDER M. McMANNES, Hyde Road Corner Pharmacy, Paignton, who was recently elected chairman of the Torquay Branch, National Pharmaceutical Union (C. & D., November 19, p. 543), entered pharmacy thirty years ago. He served his apprenticeship with Mr. A. F. Dugan, Rosemount, Aberdeen, with whom he remained for some time as assistant. He gained further experience at Petersfield, Hants, before qualifying in 1915, after which he took over managerships at Invergordon, Oldham, Bedford and Southampton. After eleven years as manager of Dellers' Pharmacies, Ltd., Paignton, he opened out on his account seven and a half years ago. Outside pharmacy, his interests are mainly athletic (Association and Rugby football, golf, hockey, tennis and, to a lesser degree, swimming). Portrait, p. 609.

Recent Wills

MR. GEORGE KENNEDY, chemist and druggist, Liverpool, who died on August 10, left £7,748, with net personality £3,555.

MR. ARTHUR NAPPIN, chemist and druggist, Conchan, Isle of Man, who died on September 22, left estate in England of the value of £615.

MR. ERNEST AUSTIN FREEMAN, 11 Wellington Road, Handsworth, Birmingham, director of J. & E. Freeman, Ltd., chemists, who died on February 12, left estate of the gross value of £1,243, with net personality £220.

MR. JOHN GILBERT MELLOR, chemist and druggist, Waverley House, The Park, Plumtree, Notts, retired chemist, a former alderman of the Warwick Town Council, who died on September 9, left estate of the gross value of £12,339, with net personality £8,407.

MRS. REBECCA CLARKE, 58 Herne Hill, S.E., widow of C. Goddard Clarke, formerly M.P. for Peckham, and a director of Potter & Clarke, Ltd., wholesale druggists, who died on September 7, left £62,814, with net personality £60,811. Among the bequests is £1,000 to the directors of Potter & Clarke, Ltd., for the benefit of employees.



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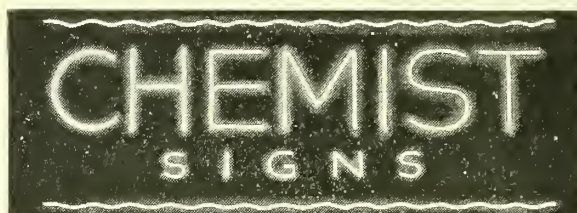
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Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

B/30 Anton's pills
B/30 Bronin tablets
S/29 Delmorine

S/26 Lustress combs
L/21 Nurafol Luganda tablets
B/18 Pinophenol

THE CHEMIST AND DRUGGIST

VOL. CXXIX

December 3, 1938

NO. 3069

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A Twenty-first Anniversary

LAST week the British Association of Chemists celebrated its twenty-first birthday. The annual meeting was followed by a banquet which was supported by a large number of guests, many of whom represented the leading societies and associations connected with the chemical and allied industries (see pp. 609 & 625). Membership of this organisation is confined chiefly to works chemists, and when it was founded in 1917 it was only 400 strong; by 1921 it had grown to 800 and to over 1,200 in 1930. This year membership is close up to 2,000 and is steadily increasing. Although a professional body, the B.A.C. confines its activities to protecting and promoting the welfare of the works chemist. It is, in fact, a trade union and is registered as such. Its chief objects may be summarised under three main headings, namely, the appointments bureau, unemployment insurance and the legal aid department. Its work on these matters during the past two decades has been highly successful and has increased considerably.

The appointments service of the association has been the means of placing some hundreds of chemists in appropriate positions at reasonable salaries, and has proved of value not only to members but also to employers. In all instances the Association uses its influence to ensure a salary commensurate with the position to be filled. The unemployment insurance is another of the "bread and butter" activities of the B.A.C. It pays weekly to members who have subscribed to the fund a certain amount of money until such time as they find fresh employment at what is considered a fair wage. The appointments bureau and unemployment fund are, of course, closely related. The assistance afforded members by the latter scheme has, it is claimed, enabled applicants to reject unsatisfactory terms of employment, and, in this way, the fund has assisted the appointments bureau steadily to raise the status and salaries of works chemists. It is claimed that the standard of salary within the association's ranks is higher than it is outside. Over £13,000 in unemployment benefit has been

paid to members and the funds in hand stand at £17,350. The legal aid department looks after the interests of members in cases where disputes with employers arise and claims to have settled on satisfactory terms many cases where, without this assistance, the individual employee might have suffered. The department also provides free legal advice on agreements and terms of employment. It was, it is claimed, the B.A.C. who established the precedent, now generally accepted in the Courts, that a chemist is entitled to three months' notice or salary in lieu of such notice. Over three hundred cases have been settled in which this issue was raised. It is out of activities of this character that general economic improvement results.

The B.A.C. has been fortunate in its leaders; the presidents have included men of high character and ability such as Prof. J. W. Hinchley, Dr. H. Levenstein, Dr. E. F. Armstrong, Sir Gilbert Morgan, Prof. E. C. C. Baly and Dr. J. Vargas Eyre. The London and Provincial and Scottish branches have competed one with another in promoting the welfare of the Association, while the London headquarters, under the capable and energetic direction of the general secretary, Mr. C. B. Woodley, has dealt in a highly satisfactory manner with an ever-increasing volume of work.

Not So Gentle Grafters

O. HENRY, prince of story tellers, wrote a number of short stories describing the work of the gentle grafter. In the workaday world, however, the grafter is not amusing as Plymouth retailers have learned. The local Mercantile Association are to be congratulated in their protest against the circular letter which has been sent to them by the Plymouth area Civil Service Sports Association. According to this circular, the Civil Service Sports Association has a membership exceeding 6,000, and apparently this Association seems to consider that because of the number of members they are entitled to squeeze retailers into giving a discount to the Government employees. According to our report, the secretary of the Association stated that he had received letters from the Plymouth firms enclosing circulars from the Civil Service Sports Association which was preparing a new shopping list to be used exclusively by members. This circular, which was signed by the secretary of the Shopping List Committee, contained the following statement: "With a view to increasing the effectiveness of the scheme it has been decided to include a limited number of firms not on the current list and I should be glad to learn whether you desire to be included. If so, will you please let me know the discount you are prepared to offer members of this association on the production of a Civil Service Sports Association shopping card, which would be issued by the council of the area association?" It is a disturbing factor in trade to consider that civil servants should be able to bring their weight of members on retailers to force them to give discounts. In the report we have just received there is no mention in regard to pharmacists. It is to be hoped, however, that pharmacists who have received this circular will make their protests to the Pharmaceutical Society and to their Member of Parliament.

Benefits of the 1933 Pharmacy Act

ELSEWHERE in this issue appears a report of an address at Bradford by Mr. Linstead, secretary of the Pharmaceutical Society, who discoursed pleasantly on pharmaceutical topics. One point of considerable interest was raised in the discussion by Mr. W. Sutcliffe, who invited Mr. Linstead to explain in what respect chemists had benefited under the 1933 Pharmacy and Poisons Act, compared with the disadvantages of extra fees, restrictions and regulations. From Mr. Linstead's reply, it is apparently future generations of pharmacists who are likely to benefit to any great extent from the Act. Further, it is somewhat interesting to learn that one of the chief benefits so far relates to the Methylated Spirits (Scotland) Act. As Mr. Linstead stated that he would spend the whole evening replying to Mr. Sutcliffe's question, we suggest that the Bradford Branch should devote an evening to the subject and invite Mr. Linstead to give the necessary details.

Mr. Linstead at Bradford

BRADFORD and District Branch of the Pharmaceutical Society was addressed on November 22 by Mr. H. N. Linstead (secretary and registrar of the Society), who, under the title "Keeping Up to Date in Pharmacy," gave a review of current topics. Mr. J. A. White, jun., presided. Mr. Linstead touched upon education, economic competition, air-raid precautions, parliamentary representation, war service, an employees' trade union and the *questionnaire* issued to members of the Society by the committee of inquiry. To members brought up on the 1914 Pharmacopœia, or on that of 1885, he gave a friendly warning against getting out of touch with the scientific side of pharmacy and commended a regular reading of the trade Press. Mr. Linstead agreed that it might seem difficult for a chemist, talking to parents of a boy who thought of entering pharmaceutical apprenticeship, to convince them that the rewards justified the requirements of the training period, but he contended that so long as the entry of young people was so much in excess of outlets pharmacy was justified in imposing requirements that enabled it to pick the best—at any rate until there was something like equilibrium. He was satisfied that the private chemist could meet the company menace if he kept himself up to date in pharmaceutical sales, service and advertising ideas, and complimented West Yorkshire branches on their active interest in collective advertising schemes, as started by Huddersfield Branch a couple of years ago. Political conditions, he continued, were so much tied to party that it had become obvious the way to get better parliamentary representation was by way of individual chemists standing as party candidates in their own areas, and he could assure them the Society would help if necessary. In regard to military service, it was now realised that modern war conditions were more likely to result in a large-scale call on pharmacy to assist with civilian casualties than for a large number of chemists in the fighting forces. Mr. Linstead felt it must be recognised that pharmacy was rather behind the times in the matter of organisation among employees. It was time something definite was done to bring into existence one strong and effective union for pharmacy employees—not qualified employees only, but all. The Ministry of Labour was steadily extending its scheme of conciliation machinery among distributive trades; sooner or later would come the turn of pharmacy, and it was to the interest of both employers and employees that pharmacy should be able to say it had already the organisation to provide conciliation machinery in regard to work, wages and conditions. Employers might not like the idea at first, but he was sure it would be found mutually beneficial. The Pharmaceutical Society, as an organisation of both masters and employees, was not in a position to sponsor or support either side against the other, but if there were a representative body for each section, and they wanted to get together in consultation, the Society could offer the negotiating machinery; nobody need in these days feel any sense of inferiority or shame in belonging to a trade union. Mr. Linstead concluded with an appeal to members of the Society to answer, to the utmost of their ability, the *questionnaire* issued recently by the committee of inquiry. It was not asking too much that they should give up a few hours to furnish material—without any risk of identifying their own private affairs—on which the committee could base certain essential information in relation to progress in the country's pharmaceutical service.

Discussion

In the course of questions and discussion, a member asked whether the examiners were not unfair in making a candidate go through another course on failing. Was it not rather cruel and liable to discourage a man? Mr. Linstead replied that the revision course was not usually insisted upon after a first failure, but was intended to assist the candidate and prevent him from the cost and wasted labour of a succession of failures and renewed attempts. It had worked well in that respect.

Mr. J. SULLIVAN (immediate past-chairman of the Branch) said he had been much interested in the speaker's call to chemists to keep up to date. He was inclined to think that by the very nature of his speech Mr. Linstead had proved that the least up to date among them were the Councillors of the Society. (Laughter.) Surely it must be realised, he said, that a new social order was struggling to be born. He did not think the Council had prepared pharmacy for it; the

idea of a union for employees in pharmacy should have been encouraged by the Society years ago. He felt the National Pharmaceutical Union should be a part of the Society, which should be united in organisation with the medical profession. Mr. Linstead, replying, said he could only repeat that the Society, comprising masters and employees, could not sponsor a union for one side or the other, but would gladly help both to get together in conference. He doubted whether in present circumstances the Pharmaceutical Society could be linked up with the medical organisation except under conditions of subordination, whereas at present they were in a position of complete freedom.

Mr. W. SUTCLIFFE (a former chairman and one-time secretary of Bradford pharmacy organisation) recalled that Mr. Linstead, speaking in Bradford when the 1933 Pharmacy and Poisons Bill was about to be passed, had expressed the view that it would benefit chemists. It would be interesting if Mr. Linstead would now say in what respects the Act had benefited chemists, as compared with the disadvantages of extra fees and harassing restrictions and regulations. Mr. Linstead said he could spend an evening in replying to this question, but he quite agreed that the bulk of the benefit was likely to be felt by those with years of pharmacy service ahead of them rather than those who were nearing the end of their pharmaceutical careers. Time would not allow much detail, but he quoted the fact that the possession of a statutory disciplinary committee under the 1933 Act had enabled chemists to be taken out of the operation of the Methylated Spirits (Scotland) Act, thereby saving something in fees; and that the power of control possessed under the 1933 Act would prove one of the most valuable factors in safeguarding chemists as a whole against things threatened in the prospective Patent Medicines Bill and by the growing tendency to restrictive legislation generally.

Mr. J. T. APPLETON, Sheffield, speaking as a visitor, congratulated Bradford on its activity. In regard to an assistants' union, he suggested that by joining the pharmacy section of the National Union of Distributive and Allied Workers, imposing no obligation to concern themselves with phases of the union outside their own business, they could establish the nucleus of a very effective trade union organisation for pharmacy employees.

Mr. E. ROBINSON (past-chairman), proposing thanks to Mr. Linstead, maintained that in spite of the speaker's observations about the constitution of the Pharmaceutical Society, he was still of opinion that it was within the power of the Society to sponsor union organisation for both employers and employed within itself.

Mr. F. C. WILSON (a past-chairman of the Bradford Branch and a member of the committee of inquiry) seconded.

Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Tuesday, December 6

Birmingham Pharmaceutical Association (Scientific Section): Imperial Hotel, Temple Street. Mr. G. R. Boyes, B.Sc., Ph.C., on "Application of Micro-Organisms to Medicine."

Thursday, December 8

East Cumberland Branch, Pharmaceutical Society: County Hotel, Carlisle, at 8 p.m. Mr. T. Guthrie on "The New Headquarters at Brunswick Square."

West Ham Branch, N.P.U.: Church Institute, 27 Romford Road, Stratford, E.15, at 9 p.m. Mr. R. H. Kemp on "Functions of a N.P.U. Branch."

Crosby Pharmacists' Association, 3 Little Crosby Road, at 8.45 p.m. General meeting.

Friday, December 9

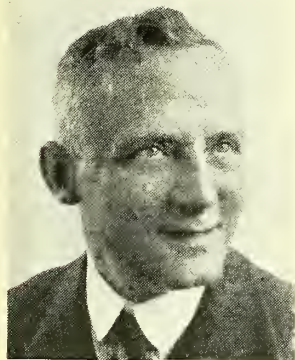
Chelsea Polytechnic: Manresa Road, S.W.3, at 8.30 p.m. Prize distribution.

SMART WORK.—"An anonymous letter sent to Wood Green, London, N., police was responsible yesterday for a complete examination of the sale of poisons register at every chemist's shop in London."—"Daily Express."

A Day in a Prison Pharmacy

By Frederic E. Bullen, Senior Pharmacist, H.M. Prison Service

TO present a complete picture of the life of a prison pharmacist would be a tremendous task—almost impossible to achieve, because the duties at each establishment vary considerably. Pharmacists are carried on the hospital staff at Liverpool, Manchester, Parkhurst, Wandsworth, Wormwood Scrubs, Holloway, Pentonville, and Brixton. The two northern prisons deal with remanded, sentenced and debtor prisoners; Parkhurst is the convict prison in the Isle of Wight, largely an invalid station; Wandsworth and Pentonville take sentenced men; Wormwood Scrubs has the younger remanded men, sentenced first offenders, and certain star classes (it is here also that operations and surgical cases are dealt with); Holloway has female prisoners of all classes (remands, debtors, and sentenced); whilst Brixton takes the adult male remands from all London and the home counties. It appears that pharmacy has been more favoured in the prison service than in the army, for it is recorded that in 1867-68 four qualified men were engaged, one each serving at Dartmoor, Millbank, Woking and Port-



MR. F. E. BULLEN, M.P.S.

land. In 1869-70, an additional pharmacist was stationed at Parkhurst, and in 1870-71, Brixton, Chatham, and Portsmouth were similarly equipped. ("Medical Aspects of Crime," by Dr. W. Norwood East, 1936.) Changes in the characters of the prisons and the closing of several have resulted in some changes of location of pharmacists, but the number employed to-day is the same, although there have been as many as nine. The primary duty of the prison pharmacist is to be of the highest practical assistance to the medical staff, and because of this the duties falling to him are very mixed and perhaps sometimes unusual, if not entirely foreign to his actual calling. It will be readily understood from the above that some establishments have many more pharmaceutical requirements than others, but, at all events in the larger prisons, the principle—long urged by public pharmacists—has been adopted, that where pharmaceutical service is needed, it should be performed by a pharmacist, and that other duties, perhaps less responsible, be added if necessary. The reverse is often the case in public institutions less well controlled and staffed.

A Typical Day Commences

But the matter of the moment is to tell the story of a day in the life of a prison pharmacist, so accompany me on a typical tour of duty, and hope fervently that it will not be one of our very busy days. At an early hour (for the day here begins early for staff and inmates alike) we pick up our keys at the gate lodge and go direct to the dispensary, stopping only to collect the warrants relating to the reception cases of the previous day. Every day adds some fifty or more, and a similar number leave the establishment for the courts, some to return and some to regain freedom. From these warrants we select all the cases which have a special medical interest. These include the major offences of violence; sexual offences; cases on which the magistrates have sought expert reports; cases that have commended themselves to the medical officer receiving them as having a possible psychopathic reaction; and finally those requiring medical care in hospital. These are entered in the respective books essential for the easy access of the doctors who will deal with them, and also under the correct dates in the diary, to ensure that every magistrate's dictum is complied with. The hospital case-papers are checked over to see that no omission has been made. Next the urine of all cases admitted to hospital overnight is tested. There may

also be other cases in which the same routine test must be applied. Perhaps there are one or more diabetic cases calling for a daily quantitative estimation, with perhaps a dose of insulin to be administered before breakfast. Returning the warrants to the next official requiring them, we proceed to peruse the list of "casual sick" for the day. For while any case of sickness can and will be attended to at any time, there is a correct time to apply for the medical officer, and it is to the list of applications made in this way that we refer now. These cases are arranged in a rough book in the order in which they will be seen by the doctor at his visit a little later on. At the same time we note the required supply of tooth powder and put it up. (Every man is supplied with tooth brush and powder, and the powder is a dispensary issue. The official formula consists of chalk, myrrh, phenol, camphor, and soap. Its manufacture is one of our "quiet time" jobs.) Now a few minutes' perusal of the morning paper for any paragraphs concerning our clients, which may perhaps throw a little more light on their cases than the mere wording of the warrant. Any such paragraphs are cut out and pasted on the case paper, and are often a real help to the examiner.

Tour with the Medical Officer

By this time—if one is lucky—the medical men have arrived for duty. Their first task is to see any sick officers or any member of their families who may require attention. This is sure to produce some demands on the pharmacy. Should the officer be put off duty, the pharmacist must record such absence. The casual sick are visited by the doctor, and we are expected to attend him throughout the tour to see the applicants. This may be of great interest; it may be amusing. Rough notes of the applications, the treatment ordered, and any restrictions of labour, exercise or diets are noted. Returning to the hospital, the doctor enters in the correct book the complaint, diagnosis and treatment he considers necessary, using our rough notes as his guide. From this book the various orders are abstracted, handed over to the nurses to deal with, or entered in the correct order books to be attended to by those concerned. We pride ourselves that everything is recorded, and we can thus refer back over a period of years. We now have time to attend to the medicine baskets and see that all is in readiness for the treatments in the prison to be carried out, and also that the medicine for the in-patients in the hospital is properly prepared for administration by the nursing staff. Here each patient can have a bottle to himself if it is needed.

Routine Work

While we have been round the prison, another doctor has been seeing the in-patients, visiting the wards and examining all admissions. Several little problems present themselves in providing medicaments for our patients. All our cases may not be of the balanced character that we would expect to find outside. Care has to be exercised that nothing at all risky is allowed, and that no temptation is placed before an already over-anxious individual. Tablets are seldom supplied. A patient could easily secrete or collect a number of apparently innocent tablets (thyroid, for example) and produce disconcerting results at an inconvenient time—on the day of trial, say—and thus delay proceedings. A potent liniment is not given to our clients, but must be administered by a competent person. Certain solid liniments are useful in this difficulty, especially those made on the lines of lin. pot. iodid. cum sapone. Bottles are not given to cases out of hospital, but individual doses are administered under supervision.

Perhaps by now the medical officer has had time to visit some cases in the officers' quarters; certainly some bottles will have been sent in for refilling, and after we have been able to complete these orders we feel the need for some lunch. We have had five hours well occupied, and this has not been an unusually heavy day. All to-day's work has been nicely sorted out for us.

Returning after lunch we pick up the threads of our work,

and as the afternoon is usually less strenuous than the morning, we shall probably be able to make good progress. The medical experts will have drafted out a few reports to the Courts. These must be translated into typescript, and here the pharmacist is expected to do most of the typing for the hospital. I suspect the reason is that the pharmacist is able to read much that would otherwise be unreadable! On the days preceding the Sessions and Assize Courts there may be several lengthy reports dealing with important cases to commit to type. I estimate that I have typed out my 360th report on murder charges; at all events, I have met that number in the course of my duty. Official replies to queries or requests for instruction have also to be typed. The pharmacy stock has to be seen to—mixtures, lotions; powders; and ointments to be made; bottles to be filled; drug demands to be compiled; and Dangerous Drugs registered and stimulants records to be completed. The pharmacist is responsible for the stock of brandy, whisky, etc., and records have to be strictly kept. In some prisons there are spectacles to be fitted, trusses also, and a thousand and one other small jobs to perform. Microscope slides for the diagnosis of gonorrhoea, etc., are needed at times. Specimens of blood for Wassermann reactions are taken by the medical staff, but the despatch and detail work falls to the pharmacist. Drugs and dressings are purchased on an annual contract, the whole service being supplied by the firms chosen. At times the pharmacist's advice is sought in these matters, and his help is always available in preparing lists for procuring tenders, and estimates for new establishments.

Perhaps I may be permitted to close with the remark that a writer in 1913 stated: "If pharmacy is not given her just value in the prison service, then there is work ahead for those thus engaged to prove their better worth." To-day the pay is nearly 100 per cent. greater than at that time, and other improvements have been made. It may be claimed that the men of the last quarter-century have served their craft and the country well.

Previous articles in this series have been "A Day in a Hospital Pharmacy" (ANNUAL SPECIAL ISSUE, June 25, p. 770) and "A Pharmacy Student's Day" (EDUCATIONAL NUMBER, August 13, p. 145).

New Standard for Vitamin B₁

THE first International Standard for vitamin B₁, which consisted of an adsorbate of the antineuritic vitamin, made from rice polishings, on fuller's earth, has now been replaced by a preparation of crystalline vitamin B₁ hydrochloride. In recent years progress in the study of the antineuritic vitamin has been rapid, and this change in the form of the International Standard has been made possible by the synthetic preparation of the vitamin in pure crystalline form.

Through the generosity of four manufacturers, an adequate quantity of the new crystalline material was placed at the disposal of the National Institute for Medical Research, Hampstead, to enable a new standard to be prepared consisting of the pure crystalline substance. Extensive international investigations of the properties of this material, and, in particular, the determination of its potency in terms of the original international standard by a variety of methods have now been completed, and the members of the International Conference on Vitamin Standardisation have unanimously recommended that the sample be adopted as the Second International Standard for vitamin B₁, and that the International Unit be defined as the antineuritic activity of 3 microgrammes of the international standard preparation. This recommendation has been adopted by the Permanent Commission on Biological Standardisation of the Health Organisation of the League of Nations.

As in the case of the other International Vitamin Standards, the new standard for vitamin B₁ is held, on behalf of the Health Organisation of the League of Nations, at the National Institute for Medical Research, and is distributed therefrom to national control centres established in other countries for local distribution to laboratories, institutes and research workers; and to workers resident in countries in which the establishment of national control centres has not yet been completed. With regard to the supply of the new standard for vitamin B₁ to those requiring it in the United Kingdom, samples have already been sent to the laboratories, institutes and research workers who have hitherto received the standard adsorption

product. Others requiring the standard are asked to make application to the Department of Biological Standards, the National Institute for Medical Research, Hampstead, London, N.W.3.

Common Cold Prophylaxis

A LARGE-SCALE comparison of the better-known prophylactics for the common cold has been carried out by Sherman, on the staff of a large industrial concern ("British Medical Journal," October 29, p. 903). The following were the methods under trial: (1) Ultra-violet irradiation with a pair of carbon arc lamps operated at a distance of three feet, twice a week, and with a total exposure of fourteen minutes. This was carried out throughout the winter. (2) Administration of vitamin A 6,000 units, and vitamin D 1,000 units daily during the winter. (3) Vaccines of mixed organisms of the upper respiratory passages given in four injections subcutaneously at five-day intervals. (4) Oral vaccines given daily for the first week, then one weekly for the rest of the winter. A control group of nearly 600 patients received no prophylactic treatment. From a table showing the results of treatment involving 1,062 patients, it was found that the only method of real value was ultra-violet irradiation, which reduced both the severity and the number of colds in the patients treated. There was no actual reduction in the average duration of colds, but the number of days lost per cold show a definite decrease as a result of all treatments except the oral vaccine. On the whole, the working days lost per person has been substantially reduced by ultra-violet irradiation and slightly reduced by the vitamin treatment. As it is usually believed that the beneficial effects of ultra-violet irradiation are due to the formation of vitamin D in the skin, it is interesting to observe from the report the better results from irradiation as compared with those from oral administration of vitamin D.

Terpeneless Oils

SCHIMMEL & Co., in their annual report which has just been published in English (1938, 133) give the particulars of a new process for the manufacture of terpeneless oils which has been patented by Van Dijk and Ruys. The temperature throughout the process does not rise above 55°. The oil to be extracted is brought in contact with two solvents in counter currents, which are only partially soluble in each other. The oil which is to be rendered terpeneless is introduced into a long cylindrical tube and pentane, as a solvent for the terpenes, is fed in at one end, and diluted methyl alcohol, as a solvent for the oxygenated compounds, at the other. Mechanical arrangements are introduced so as to allow separation of the two layers when desired. The solvents are recovered under reduced pressure in the usual manner. Details are given of some terpeneless oils prepared by this process.

Terpeneless oil of lemon is said to have been obtained in a yield of 8.2 per cent., having the following characters:—

| | | | |
|-------------------------|----|----|-----------------|
| Specific gravity at 15° | .. | .. | 0.9352 |
| Optical rotation | .. | .. | +1° 15' |
| Refractive index at 20° | .. | .. | 1.4810 |
| Aldehydes (citral) | .. | .. | 86-87 per cent. |

The oil was soluble in 0.5 volume of 80 per cent. alcohol, 3 volumes of 70 per cent. alcohol and 15 volumes of 60 per cent. alcohol. These figures, however, are not easy to reconcile, as, first, the oxygenated constituents other than citral are present in lemon oil to an extent which indicates that most of them had been lost in the process, and, secondly, the original lemon oil must have contained practically 7 per cent. of citral to have yielded the above oil in the yield stated.

Terpeneless oil of orange, obtained in 4.4 per cent. yield, had the following characters:—

| | | | |
|-------------------------|----|----|----------|
| Specific gravity at 15° | .. | .. | 0.9137 |
| Optical rotation | .. | .. | +11° 50' |

It was soluble in two volumes of 70 per cent. alcohol and in 10 volumes of 60 per cent. alcohol.

Terpeneless ginger oil was obtained in a 15 per cent. yield and having the following characters:—

| | | | |
|-------------------------|----|----|--------|
| Specific gravity at 15° | .. | .. | 0.9512 |
| Optical rotation | .. | .. | 0° |
| Refractive index at 20° | .. | .. | 1.4850 |

It was soluble in 2 to 2.5 volumes of 70 per cent. alcohol.

British Association of Chemists

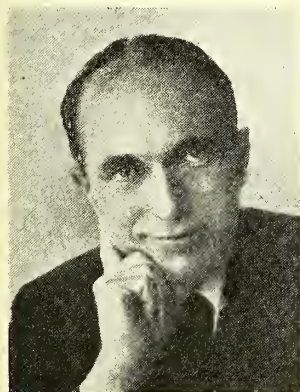
THE British Association of Chemists held their twenty-first annual general meeting on Saturday, November 26, in London. Dr. J. Vargas Eyre, M.A., Ph.D. (president), in the chair, was supported by Mr. A. J. C. Cosbie, A.I.C., Prof. E. C. C. Baly, C.B.E., Mr. W. H. Woodcock (treasurer) and members of the Council, with Mr. C. B. Woodley, F.C.R.A., general secretary, in attendance. There was a representative attendance of members from London, Liverpool, Manchester, Birmingham, Scottish and other district branches of the Association.

The hon. treasurer's report and audited accounts for the financial year ended September 30, 1938, were presented and approved. The balance sheet showed the association to be in a thoroughly sound financial position.

The annual report of the Council, reviewing the main work of the association during the year, was discussed at some length and approved, the Council being congratulated by the members on their achievements. The following are extracts from the report:—

Members will be glad to learn that Dr. Eyre has been persuaded to accept office for another year. Since our president first took over his duties he has always worked with one object

in view, and that is the furtherance of the association's interests in every direction. The total membership is now 1,914; 138 new members have been elected during the year. It is with regret we record the decease of six members. There is no doubt that we have attracted the interest of a large number of chemists who intend to join the Association now that they have had an opportunity to examine our aims and objects. A study of the balance sheet shows the growth of our work, and there has been an increase in the subscription income. The issue of the register of members, the certificate of membership, and the improvement of the journal have met with widespread approval. The



DR. J. VARGAS EYRE, M.A., F.I.C.,
President

Special Aid Fund received more generous recognition last year, and in addition to this we are glad to say that the calls upon it were very moderate.

For several years now the unemployment benefit fund has shown progress above the average. Whilst many industries have had to meet adverse conditions, others have come to the fore, and new works and new processes have provided opportunities for a considerable number of chemists who, without the aid of the appointments service, might have become claimants for benefit. It is extremely difficult to look very far ahead and judge whether industrial activity will increase or whether some financial crisis may arise, which will upset all normal calculations. The committee feel they are justified in recommending the special increases in benefits which were foreshadowed last year. To give increases in benefit and at the same time provide adequate safeguards for the future stability of the fund has required close attention. The alterations, amendments, and new rules have been carefully drawn by the committee with the aid of expert advice. Your Council expresses its appreciation to the Unemployment Special Purposes Committee for their work in your interests.

The association's appointments service department has experienced a busy year, the weekly list providing many attractive opportunities. The majority of the appointments carried good salaries for both senior and junior chemists. In several instances our members were successful in negotiating for salary figures substantially above the maximum first offer. Over one thousand appointments have been published in the weekly list during the past year, and an increasing number of employers submit their requirements for inclusion therein. The value of this active department is not limited to direct individual successes, it also has a distinct bearing on the work connected with the Unemployment Benefit Fund. In many cases

members obtain new appointments within a few weeks, and claims on the Insurance Fund are thereby reduced to a minimum.

The committee recommend again that the additional benefit after five years' continuous subscribing membership, without arrears of subscription or contribution during this period, be continued. They also recommend that temporary sickness or personal accident during unemployment shall not debar a member from receiving benefit, always provided that the committee is satisfied that the subscriber is otherwise eligible for benefit and subject to the usual terms and conditions applying. In consultation with our actuaries the committee have devoted a great deal of time to the production of a scheme whereby increased benefits may be paid to members of long standing and an arrangement has also been drawn up for the administration of the National Insurance Act in conjunction with our present unemployment benefit fund.

Election of Officers

The following officers were elected for the ensuing year:—*President*, Dr. J. Vargas Eyre, M.A., Ph.D., F.I.C.; *Chairman*, Mr. A. J. C. Cosbie, A.I.C., A.R.C.Sc.I., B.Sc.; *Registrar*, Prof. E. C. C. Baly, C.B.E.; *Hon. Editor*, Mr. H. T. F. Rhodes, M.I.E.I.; *Council*, Capt. Porter, Messrs. Lloyd Willey, Littlejohn, Riley, Wylie, Allan, Dent, Kay, Evans, Churchman, Anderson and Dunlop.

A banquet and dance, celebrating the coming of age of the association, was held in the evening at the Waldorf Hotel. Dr. J. Vargas Eyre presided. Professor F. G. Donnan, president of the Chemical Society, in submitting the toast of "The Association," said that since its registration as a trade union it had done many excellent things on behalf of its members, particularly in respect of unemployment benefit. Nearly £15,000 had been expended and to-day the accumulated funds stood at £17,000. They possessed an appointments register and also a fund for the legal aid of chemists on the roll. Both of these activities had proved of material benefit to their members. The pioneers of their organisation, some of whom were present with them at this celebration, must feel delighted with the results of their efforts. He wished the B.A.C. every success, which it fully merited.

Dr. J. Vargas Eyre, in reply, said that before the association existed, indifference prevailed in regard to the responsibilities and risks which chemists undertook in carrying out operations necessary for war conditions, and their remuneration then was little better than that of an ordinary labourer. The association had been singularly successful in alleviating the grievances. In 1917 its membership stood at 400, but to-day it was almost 2,000. He appealed for co-operation between the various chemical societies and urged the formation of a united service scheme embracing all young men who had practical experience in the chemical industries.

Dr. E. F. Armstrong, past president of the British Association of Chemists, also responded.

Dr. H. Levinstein proposed "Science and Industry," and Dr. L. H. Lampitt replied. Mr. S. Reginald Price gave the toast of "Our Guests," and Dr. W. Cullen, president of the Institution of Chemical Engineers, replied. An enjoyable evening was concluded with dancing.

Among the large number of guests representing other organisations were: Lt.-Col. S. J. M. Auld, president, Institute of Petroleum; Mr. W. H. Bird, secretary, Institute of Brewing; Mr. F. W. Clifford, Chemical Society; Dr. W. Cullen, president, Institute of Chemical Engineers; Mr. W. A. Damon, chief inspector of alkali works, Ministry of Health; Mr. W. Deacon, vice-president, Pharmaceutical Society; Prof. F. G. Donnan, president, Chemical Society; Mr. A. J. Gibson, president, Oil and Colour Chemists' Association; Mr. T. E. Grant, president, Institute of Brewing; Dr. P. Haas; Prof. B. W. Holman; Dr. L. A. Jordan; Dr. L. H. Lampitt; Dr. H. Levinstein; Mr. H. N. Linstead, secretary, Pharmaceutical Society; Dr. S. Miall; Dr. Ainsworth Mitchell, vice-president, Institute of Chemistry; Sir Gilbert Morgan; Mr. H. J. Pooley, secretary, Society of Chemical Industry; Prof. W. M. Roberts, president, Society of Public Analysts; Mr. D. Shaw Scott, secretary, Institute of Metals; and Dr. A. J. V. Underwood, secretary, Institution of Chemical Engineers.

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, December 1

Most markets continue on a quiet but fully steady tone. Business for home trade is not what it might be, while export trade continues a bright feature, particularly in imported natural products. Merchants report that inquiry for these products from some Continental countries continues to increase. Exchange rates on sterling reached a record "low" during the week, since when there has been a slight recovery; the loss is sufficient to further strengthen many shipment markets. Business in PHARMACEUTICAL CHEMICALS continues on routine lines, with most products quoted steadily. As a result of the further increase in the sterling price of the METAL, makers have had to advance their scales for MERCURIALS. Their position, even in this market, is seriously threatened by outside competition in these products. Continental prices for CAFFEINE are reported to be advanced by 5 per cent., and British makers have advanced their prices to the same extent. PHENOL is quoted cheaper. Prices for STRYCHNINE SALTS have been revised.

Crude Drugs

Business in these commodities is moving along steadily, but in rather limited volume. The home consuming demand is disappointing, while re-export trade is reported to be quite good. The general tone is very steady. Good spot demand for AGAR at increasing prices, and stocks "in bond" have sold well for re-export; shipment quotations from Japan for new crop are firm. DESICCATED COCONUT shows a further slight recovery. Norwegian COD-LIVER OIL remains dull for shipment. The position of ERGOT is not particularly healthy; there will, according to a report from Moscow, be no crop surplus available for export. MATTO GROSSO IPECACUANHA is steady, but lifeless. JAPANESE MENTHOL has had a very poor week of business. MERCURY is again quoted dearer in sterling. A fresh supply of Turkish OPIUM is due in London next week. Spot values for rough round RHUBARB are firm. RUBBER shows a further slight loss this week. At the further advance SENEGA is very firm on spot, with quite a good business reported; no shipment offers.

Essential Oils

These products have met with a patchy sort of demand, which has not amounted to very much in the aggregate. Importers' prices for spot supplies of ANISE (STAR) are well maintained, but the demand is far from what might be expected under present circumstances. The Consortium report that the new crop BERGAMOT will be about three weeks late and that the yield is expected to be well below average. There is an acute scarcity of Japanese white CAMPHOR here; a small parcel is due in London next week, but there are no shipment offers. There is no CHINESE oil available anywhere. Rather more business moving in Australian EUCALYPTUS, and spot supplies of branded oil are now only moderate. New crop Sicilian LEMON is quoted at full prices, but there is practically no interest shown here, although spot supplies of genuine oil are practically exhausted. West Indian LIME is not quite so unsteady. OLIVE is quoted dearer and is reported to be firm. Some shipment business in French Guinea ORANGE reported at cheap prices. PALMAROSA is again dearer, spot and forward. JAPANESE PEPPERMINT has had a very poor week of business. PEITGRAIN is rather easier.

Exchange Rates on London

The following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

| Centre | Quoted | Par | November 24 | December 1 |
|------------|-------------|---------|-------------|------------|
| Amsterdam | Fls. to £ | 12.107 | 8.56 | 8.56 |
| Berlin | Mks. to £ | 20.43 | 11.63 | 11.65 |
| Brussels | Belgas to £ | nominal | 27.55 | 27.60 |
| Copenhagen | Kr. to £ | 18.159 | 22.40 | 22.40 |
| Lisbon | Esc. to £ | 110 | 110 | 110 |
| Madrid | Ptas. to £ | 25.24½ | nominal | nominal |
| Milan | Lire to £ | 92.46 | 88½ | 88½ |
| Montreal | Dols. to £ | 4.86½ | 4.60½ | 4.69 |
| New York | Dols. to £ | nominal | 4.66½ | 4.66½ |
| Oslo | Kr. to £ | 18.159 | 19.90 | 19.90 |
| Paris | Fr. to £ | 124.21 | 178½ | 178½ |
| Prague | Kr. to £ | 164.25 | 135½ | 136½ |
| Stockholm | Kr. to £ | 18.159 | 19.40 | 19.40 |
| Warsaw | Zloty to £ | 43.38 | 24½ | 25 |
| Zurich | Frs. to £ | 25.2115 | 20.65 | 20.55 |

Bank rate 2 per cent.

Pharmaceutical Chemicals, etc.

BUSINESS is rather on the quiet side, with the market keeping steady. Makers' prices for mercurials and caffeine are dearer.

ASPIRIN (TABLETS).—The following are agreed wholesale prices for the British makers: Under 5,000, 3s. per 1,000; 5,000, 2s. 10d.; 10,000, 2s. 9d.; 25,000, 2s. 7d.; 50,000, 2s. 6d.; 100,000, 2s. 5d.; 250,000, 2s. 4½d.; 500,000, 2s. 4d.; 1,000,000, 2s. 3d. For small quantities higher prices would be asked by wholesale distributors.

BARBITONE.—Not much business moving: spot, two cwt., 8s. 11d.; 56 lb., 9s. 2d.; less than 56 lb., 9s. 5d. per lb.

BENZOIC ACID (B.P.).—Continues steady, with fair business reported: five cwt., 1s. 7½d.; one cwt., 1s. 8d.; smaller parcels, from 1s. 9d. to 2s. 2d. per lb., ex store, as to quantity.

BROMIDES.—Makers' scales of prices steady. POTASSIUM, B.P., five cwt., 1s. 8d.; one cwt., 1s. 9d.; 28 lb., 2s. per lb. SODIUM, B.P., five cwt., 1s. 10d.; one cwt., 1s. 11d.; 28 lb., 2s. 2d. per lb. AMMONIUM, B.P., five cwt., 1s. 11d.; one cwt., 2s.; 28 lb., 2s. 3d. per lb. net. Resale clause applies. 28-lb. parcels and one-cwt. cases free. Smaller quantities than 28 lb. at higher prices. Export quotations are maintained as follows: POTASSIUM, B.P., five cwt., 1s. 4d.; one cwt., 1s. 4½d. SODIUM, B.P., five cwt., 1s. 5d.; one cwt., 1s. 5½d. AMMONIUM, B.P., five cwt., 1s. 6½d.; one cwt., 1s. 7d. per lb., f.o.b.

BUTYL CHLORAL HYDRATE.—Dull, quiet: spot, 14 lb., 8s.; 7 lb., 8s. 3d.; 1 lb., 8s. 6d. per lb., in 1-lb. bottles.

CAFFEINE.—It is reported that prices in sterling for Continental and British products have been advanced by 5 per cent.

CHLORAL HYDRATE.—Steady at makers' prices; duty-paid crystals, in 14-lb. free containers, five cwt., 3s. 2d.; one cwt., 3s. 3d.; 28 lb., 3s. 4d. per lb.; 28-lb. jars one penny per lb. extra.

CITRIC ACID (B.P. CRYSTALS).—Market continues steady: British material quoted at 1s. 0½d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers' prices for imported material are competitive.

CREAM OF TARTAR.—Average business reported: British material, 99 to 100 per cent., 92s. per cwt., less 2½ per cent. discount. Dealers' prices for foreign material competitive.

EPHEDRINE.—Sales continue up to seasonal average, with quotations steady: Hydrochloride, B.P., quoted at about 6s. per oz. for minimum 1,000-oz. lots; small quantities, up to 7s. Pure alkaloid is quoted from 7s. 9d. to 8s. 3d. per oz., as to quantity.

GALLIC ACID.—Market is slack: spot, one cwt., 3s.; 56 lb., 3s. 1d.; smaller parcels, up to 3s. 6d. per lb.

MERCURIALS.—Makers' prices have been advanced 6d. per lb. for all salts, as from December 1. Terms net, without engagement. Special prices for larger quantities and contracts. Bulk prices for assorted salts.

| | Less than 28 lb. | Not less than 28 lb. | Not less than 112 lb. |
|--|------------------|----------------------|-----------------------|
| Ammoniated Lump B.P. (White Precip.) | s. d. 6 4 | s. d. 6 0 | s. d. 5 11 |
| " Powder B.P. | 6 6 | 6 2 | 6 1 |
| Bichloride Lump (B.P. Corros. Sub.) | 5 7 | 5 3 | 5 2 |
| " Powder B.P. | 5 3 | 4 11 | 4 10 |
| Chloride B.P. Calomel | 6 4 | 6 0 | 5 11 |
| Red Oxide Cryst. B.P.C. (Red Precip.) | 7 5 | 7 1 | 7 0 |
| " Levig. B.P.C. | 6 11 | 6 7 | 6 6 |
| Yellow Oxide B.P. | 6 9 | 6 5 | 6 4 |
| Persulphate White | 6 6 | 6 2 | 6 1 |
| Sulphide Black (Hyd. Sulph. cum. Sulph. 50%) | 6 5 | 6 1 | 6 0 |

METHYL SALICYLATE.—Makers' scale of prices unchanged: spot, ten cwt., 1s. 1½d.; five cwt., 1s. 2d.; one cwt., 1s. 2½d.; less than one cwt., 1s. 3d.; small quantities, in bottles, up to 2s. per lb.

METHYL SULPHONAL.—Inquiry is poor, quotations irregular: two cwt., 19s. 3½d.; one cwt., 19s. 9½d.; 56 lb., 20s. 2½d.; small parcels, up to 20s. 8d. per lb.

PHENACETIN.—Fair amount of spot business, market steady: crystals or powder, bulk quantities, from 2s. 6d.; smaller parcels, 2s. 7d. up to 3s. per lb., as to quantity.

PHENAZONE.—Not much business, market quoted keenly: crystals, five cwt., 6s. 9½d.; two cwt., 7s.; one cwt., 7s. 3d.; and less, up to 7s. 6d. per lb., with powder 2½d. per lb. extra.

PHENOL.—Makers' prices have been reduced, as from December 1, as follows: one ton, 7½d., in 3-cwt. naked drums, delivered U.K.; smaller quantities and packings, from 8½d. to 1s. 2d. per lb.

POTASSIUM PERMANGANATE (B.P.).—British makers' scale of prices for home trade is as follows:—Not less than one cwt., 10½d.; not less than three cwt., 10d.; in drums; not less than five cwt., 9½d.

in 1-cwt. drums and 9½d. in 5-cwt. drums, net, delivered buyer's station, drums free. Technical or commercial quality, one cwt., 96s.; three cwt., 91s. 6d.; five cwt., 89s.; one ton, 86s. 6d. per cwt., in 1-cwt. drums.

POTASSIUM SULPHOGUAIACOLATE.—The spot value is unchanged at about 6s. 2d. per lb., as to quantity.

QUININE SALTS.—Convention prices continue steady at the recent advance: sulphate, 2s. 3d.; bisulphate, 2s. 3d.; ethyl carbonate, 2s. 11d.; salicylate, 2s. 11½d.; hydrochloride, 2s. 10d.; dihydrochloride, 3s. 1½d.; hydrobromide, 2s. 10d.; dihydrobromide, 3s. 1½d.; valerianate, 3s. 9½d.; phosphate, 3s. 5½d.; hydrophosphate, 4s. 1½d.; alkalioid, 3s. 1½d. per oz., 100-oz. tins free, carriage paid on bulk quantities.

RESORCIN.—Makers' prices; no imported material: 56 lb., 5s. 6d.; 28 lb., 5s. 7d.; 14 lb., 5s. 9d.; 7 lb., 6s.; smaller parcels, up to 6s. 6d. per lb.

ROCHELLE SALTS.—Makers' prices are steady:—

| | Pulv. Sod. Pot. Tart. B.P. | Pulv. Seidlitz | Double Seidlitz |
|---------------------------------|-------------------------------|-------------------|--------------------|
| | Per cwt. s. d. | Per cwt. s. d. | Per cwt. s. d. |
| Under 1 cwt. ... | 85 0 | 68 0 | 76 5 |
| Under 5 cwt. ... | 82 6 | 66 3 | 73 3 |
| Over 5 cwt. in one delivery ... | 80 0 | 64 3 | 71 0 |

Soda, pot. tart. cryst. at 2s. 6d. per cwt. extra to powder, net, 14 days. Special prices for quantities. Contracts accepted subject to a rise and fall clause.

SACCHARIN.—Convention price for 550 is 37s. 6d. per lb., duty paid, with rebates for quantities.

SALICYLIC ACID (B.P.).—Makers' prices are unchanged: five cwt., 1s. 7d.; one cwt., 1s. 7½d.; 28 lb., 1s. 10d.; 14 lb., 1s. 11d.; 7 lb., 2s. 0½d.; 4 lb., 2s. 2½d. per lb.

SALOL.—Competitive quotations for bulk quantities: 2s. 2d. to 2s. 4½d. per lb., as to quantity.

SANTONIN.—Market remains dull: bulk quantities, £10 5s.; and small parcels, up to about £12 10s. per kilogram.

SODIUM BENZOATE (B.P.).—Demand average: five cwt., 1s. 3½d.; one cwt., 1s. 4d.; smaller parcels, from 1s. 5d. to 2s. per lb., as to quantity.

SODIUM DIETHYLBARBITURATE.—Remains slack: spot, one cwt., 11s.; 28 lb., 11s. 3d.; 14 lb., 11s. 6d.; 7 lb., 11s. 9d.; smaller parcels, up to 12s. 3d. per lb.

SODIUM SALICYLATE (B.P.).—Makers' prices unchanged, seasonal business: prices for home trade, crystals or powder, five cwt., 1s. 5½d.; one cwt., 1s. 6d.; 28 lb., 1s. 9d.; 14 lb., 1s. 10½d.; 7 lb., 1s. 11½d.; 1 lb., 2s. 4d. per lb.

STRYCHNINE SALTS.—Makers' scales of prices for these products have been revised. Home trade and Empire (excluding Canada) prices are as follows:—

| | Under 250 oz. | 250 oz. and under 500 oz. |
|---------------------------------|------------------|------------------------------|
| | Per oz. s. d. | Per oz. s. d. |
| Pure Crystals ... | 1 4 | 1 3½ |
| Pure Precip. ... | 1 4 | 1 3½ |
| Acetate ... | 1 10½ | 1 10 |
| Arseniate ... | 1 9½ | 1 9 |
| Arsenite ... | 1 10½ | 1 10 |
| Bisulphate ... | 0 10½ | 0 10 |
| Hydrochloride ... | 1 2 | 1 1½ |
| Hypophosite ... | 3 4½ | 3 4 |
| Nitrate Crystals ... | 1 2 | 1 1½ |
| Nitrate Powder ... | 1 2 | 1 1½ |
| Nitrate Powder No. 2 ... | 0 10½ | 0 10½ |
| Phosphate ... | 2 1½ | 2 1 |
| Sulphate Neut. Cryst. ... | 1 0½ | 1 0 |
| Sulphate Neut. Powder ... | 1 0½ | 1 0 |
| Sulphate Neut. Powder No. 2 ... | 0 10½ | 0 10½ |

Terms net 30 days. 25-oz. tins free. Smaller packages charged extra. 1-oz. bottles 2d. extra. Delivered home market or c.i.f. export. For export: discount 1 per cent. cash in 10 days. Cases free. Buyers held covered against price reduction for 10 days after arrival of steamer at port of destination. Contracts can be booked for 250 oz. upwards with fall clause, delivery over six months.

SULPHONAL.—Keen competition for a small business: crystals or powder, two cwt., 15s. 5½d.; one cwt., 15s. 10½d.; 56 lb., 16s. 1d.; smaller parcels, up to 16s. 7½d. per lb.

TARTARIC ACID (B.P. CRYSTALS).—Market is steady: British makers quote at 1s. 1½d. per lb., less 5 per cent. discount, dealers offering foreign materials at competitive prices.

VANILLIN.—Convention prices for home trade are steady: ex clove oil or guaiacol, five cwt., 11s.; one cwt., 11s. 1½d.; 56 lb., 11s. 3d.; smaller quantities, 11s. 6d. per lb.

Crude Drugs, etc.

AGAR.—Quite a good spot demand for home trade and for re-export; spot stocks are now limited: spot, Kobe, No. 1, 3s. 4d. to 3s. 6d.; No. 2, 3s. to 3s. 1d.; Yokohama, No. 1, 3s. 1d. per lb.; shipment, December, Kobe, No. 1, dearer at 3s. 1½d.; No. 2, 2s. 7½d.; Yokohama, No. 1, 2s. 7½d. per lb., c.i.f. New crop, January-February, Kobe, No. 1, 2s. 11d. to 3s. 1d., as to shipper, with buyers at 2s. 10d., c.i.f. February-March, Kobe, No. 2, 2s. 8½d.; Yokohama, No. 1, 2s. 7½d. per lb., c.i.f. Good business for goods in bond, with 2s. 10d. paid and 2s. 11d. now wanted.

ALOES.—Continues firm but rather subdued: Cape, spot, in boxes, 54s.; shipment, 46s. per cwt., c.i.f. Curaçao, spot, 165s. for coarse up to 175s. to 180s. for delivery.

ANTIMONY.—Steady: Chinese, crude, spot, £38; shipment, December-January, £32, c.i.f. English regulus, £71 per ton, ex store.

BALSAMS.—Limited inquiry: *Tolu*, 1s. 9d.; *Canada*, 3s.; shipment, 2s. 10½d.; *Copaiba*, 1s. 8d.; *Peru*, 4s. 1½d. per lb., spot.

BELLADONNA.—Fully steady, root in short supply: leaves, 55s.; root, high test, 55s. per cwt., spot.

BENZON.—Market is quiet: Benzoin quoted steadily at 70s. to 90s. per cwt., as to quality. Siam, medium almonds, £26 10s.; bean and pea, £21 per cwt., ex store.

BUCHU.—A few bales reported sold at steady prices: rounds, 1s. 4d. to 1s. 6d., as to quality; ovals, 1s. 3d. to 1s. 4d. Last season's ovals, at about 1s. 2d. per lb. in bale lots. No prices for next season's leaves.

CAMPHOR.—Business on the quiet side, values unchanged: Japanese monopoly BB brand, £7 10s. per 100 lb.; Japanese, natural, spot, tablets, 2s. 6d.; powder, 2s. 3d.; slabs, 2s. 2½d. per lb., ex store; shipment, tablets, 2s. 2d.; powder, 1s. 10½d.; slabs, 1s. 10½d. per lb., c.i.f.; English refined flowers, one cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz. and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz., ½ oz. and ¼ oz., 3s. 6d.

CASCARA SAGRADA.—The one or two cheaper parcels have been cleared and the market is fully steady as quoted: spot, 1938 bark, 52s. 6d.; 1937 bark, 57s. 6d.; 1936 bark, up to 65s. per cwt., ex store, duty paid. No shipment offers from the source.

CHAMOMILES.—Dealers' prices for this season's good white flowers are in the region of 160s. per cwt., duty paid.

CLOVES.—Quotations are maintained on a quiet market: Zanzibar, spot, 8½d.; shipment, December-January, 8½d. per lb., c.i.f. Madagascar, in bond, 7½d.; shipment, December-January, 6½d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended November 26 were nil, and the deliveries 57, leaving a stock of 477. From January 1 to date the landings of Zanzibar have been 2,317, and the deliveries 3,236. Landings of Madagascar for the week ended November 26 were nil, and the deliveries 7, leaving a stock of 732. From January 1 to date the landings of Madagascar have been 1,586 and the deliveries 2,952 packages.

COCOA BUTTER.—Market continues about steady: prime English, 9d. to 10d. per lb.; foreign, 7½d. to 9d. per lb., as to quantity and quality.

COCONUT (DESICCATED).—Values are fully maintained: spot, fine, 16s. 9d.; medium, 17s. per cwt.; shipment, halves, December-January, 16s. 3d. per cwt., c.i.f.

COD-LIVER OIL.—Bergen reports conditions in the shipment market remain distinctly quiet: finest Lofoten steam-refined non-freezing medicinal oil, 86s. per barrel, c.i.f., London. Small lots, on spot, about 132s. 6d. per barrel, ex store, duty paid. British finest medicinal oil, 115s. per 25-gallon drum, delivered U.K., with rebates for 25 or more drums.

ERGOT.—Market is dull: Spanish, old crop, 4s. 1d.; one or two: shipment offers at 4s. 1d., c.i.f. Portuguese, spot, about 4s.; shipment, about 3s. 10d., c.i.f. Polish, spot, about 3s. 6d. to 3s. 7½d. per lb., as to seller and quantity. Advice from Moscow states there will be no surplus available of this season's crop for export.

GENTIAN.—Market is dull: French root, from 33s. to 35s. per cwt.; spot, as to seller; shipment, new crop, 28s. 6d. per cwt.

GINGER.—West African is steady, with spot at 23s. 6d. and for arrival, 19s. 9d. per cwt., c.i.f. Jamaican, spot, bold, in barrels, 65s. to 75s.; medium, bold, in bags, 47s. 6d.; small grinding, in bags, about 42s. 6d. per cwt.

HONEY.—Business continues of little importance; Canadian slightly easier, other descriptions unchanged: Jamaican, dark, manufacturing, 30s. up to 40s. for pale set. Canadian, new crop, steady at 44s. to 46s., as to quality. Californian, white clover, 47s. 6d. per cwt., duty paid. Small lots of all descriptions at higher prices.

HYDRASTIS.—A fair business, mostly in high-grade material, supplies of which are now very small: U.S.P., spot, 13s. to 13s. 3d.; shipment, 12s. 9d. per lb., c.i.f. Root testing, 3,4 alkaloids, 14s. 3d. per lb., ex store.

IPECACUANHA.—Steady but quite neglected: Matto Grosso, B.P., spot, 7s. 1½d. to 7s. 3d.; shipment, 6s. 9d. per lb., c.i.f.

MENTHOL.—The Japanese product has again met with a poor demand. K/S brands, spot, 13s. 4½d., sellers. Near afloat, 11s. 7½d., c.i.f. Japanese shippers quote December, 11s. 7½d., and January-February, 11s. 9d. per lb., c.i.f. Chinese, spot, 12s. 6d. per lb., duty paid.

MERCURY.—The shipment quotation shows no further change at 70 dollars per bottle, f.o.b. Continent. Spot quotation is now firm and dearer at £15 4s. per bottle, ex store.

OPIMUM.—Quiet, market steady. A parcel of Turkish is due in London next week. Iranian, 12 per cent., 1s. 1d. per unit, landed and duty paid; Bulgarian, original cases of 170 lb., 12½ per cent., 1s. 2d. per unit.

PEPPER.—Values are fractionally easier, market quiet; Lampong, in bond, 2½d.; shipment, January-March, 2½d.; March-May, 2½d., c.i.f. Tellicherry, spot, 4d.; shipment, November-December, 3s. 6d., c.i.f. Aleppy, spot, 4d.; shipment, November-December, 3s. 6d., c.i.f. White Muntok, in bond, 3½d.; shipment, January-March, 3½d.; March-May, 3½d., c.i.f. London Terminal Market: Black, December, 2½d.; March, 2½d.; May, 2½d.; July, 2½d. White, December, 3½d.; March, 3½d.; May, 3½d.; July, 3½d. per lb.

PIMENTO.—Market is steady at the decline: spot, 7½d. per lb.; shipment, December, 66s. per cwt., c.i.f.

RHUBARB.—Fair amount of business mostly in rough round, values very steady: spot, rough round, 1s. 11d. to 2s. 2d., as to seller and quantity. Shensi, 4s. 9d. to 5s. per lb., ex store. A parcel of rough round offered from Shanghai at 1s. 8d. per lb., c.i.f.

RUBBER.—Business has been slow and values are again fractionally easier: standard ribbed, smoked ribbed, spot, 7½d.; January, 7½d.; January-March, 8d.; April-June, 8½d.; July-September, 8½d.

SEEDS.—**ANISE.**—Spot, duty paid, Bulgarian, 45s.; Russian, 44s. **CANARY.**—Market quiet and unchanged. The latest quotations, duty paid, are: Mazagan, 16s. 3d.; Morocco, 15s. 6d.; Turkish, 13s. 6d.; Plate, 13s.; Spanish, 24s. to 35s. **CARAWAY.**—Dutch, on spot, 33s., duty paid; 27s. 6d. quoted f.o.b. Holland. **CORIANDE.**—Morocco, on spot, 15s. 6d., duty paid; 14s., in bond. For shipment, 12s., c.i.f., quoted. **CUMIN.**—Spot, Malta, 47s. 6d., duty free; Morocco, 45s., duty paid; and for shipment, 44s. 6d., c.i.f. **FENNEL.**—Indian, 11 per cent., 22s. 6d., spot. **FENUGREEK.**—Morocco, spot, 12s. 6d., duty paid. **MUSTARD.**—English, 20s. to 31s. 6d., according to quality.

SENEGA.—At the further advance the market is very firm: spot, 2s. 9d.; no shipment offers. A good business is reported and inquiry continues on the London market.

SENNA.—In quiet demand. New crop Tinnevely leaves, on spot, offered as follows: No. 1 at 6½d.; No. 2 at 4d.; No. 3 at 2½d.; No. 4 at 2½d. per lb. Tinnevely pods: best pale greenish, hand-picked, offer at 5d. to 6d. per lb. Darker qualities from 3½d. to 4d. per lb.; manufacturing pods continue scarce at 2½d. to 2½d. per lb. Alexandrian hand-picked pods: a fair inquiry for good selected, but no supplies available. Medium to good No. 1 offered at 3s. 6d. per lb.; No. 2, 2s. 6d.; No. 3, 2s. per lb. Old crop pods available at 1s. to 1s. 9d. per lb., ex store.

SHELLAC.—Steady, with a fair amount of business passing: spot, standard TN orange, 38s. to 41s.; fine orange, 52s. 6d. to 80s.; pure button, 47s. 6d. to 50s. per cwt. For delivery, TN, December, 37s. 6d.; March, 39s. 3d.; May, 40s. For arrival, TN, December-January, 38s. per cwt., c.i.f.

TRAGACANTH.—Market has been quiet, with values for all grades nominally unchanged: finest selected white ribbon, £65; No. 1, white, £57 10s. to £60; No. 2, white, £50 to £54; No. 3, white, £35 to £45; amber leaf, £32; cleaned amber sorts, £16; brown to amber leaf, £11 10s.; red leaf, £9 to £10; hoggy, £6 to £7 per cwt., ex store.

TURMERIC.—Rather firmer conditions, with supplies very restricted: spot, Madras finger, rough-coated, 29s. 6d. to 30s. per cwt.; shipment, "polished," 30s. 6d. per cwt., c.i.f., if available.

WAXES.—**BEE'S.**—Spot values are steady on a moderate supply: good quality waxes, in bond, 92s. 6d.; duty paid, 100s. per cwt. Benguella, 86s. 6d., c.i.f.; in bond, 90s.; Dar-es-Salaam, 97s., c.i.f., and Conakry, 86s. per cwt., c.i.f. **CARNAUBA.**—Steadier, with shipment tending rather firmer: fatty grey, spot, 150s.; afloat, 144s.; shipment, December-January, 140s., c.i.f. Chalky grey, spot, 150s.; shipment, December-January, 137s. 6d., c.i.f. Primeira, spot, good quality, 192s. 6d.; shipment, December-January, 180s. Mediana, spot, 185s.; shipment, 177s. 6d. per cwt., c.i.f.

Essential and Expressed Oils, etc.

THERE has been no general improvement in the demand for these products, while values are keeping quite steady. Japanese peppermint has been very quiet. Sicilian lemon is of little interest. Petitgrain slightly easier and Palmarosa rather dearer.

ANISE (STAR).—Business on spot is still confined to the sale of a few cases. Holders' spot quotations are fully steady. No definite shipment offers. Spot, leads, nominal; tins, 3s. 6d. less 2½ per cent.; drums, 3s. 4½d., net, per lb., ex store.

BERGAMOT.—There are still no quotations for new crop oil, but an advice from the source states production will commence about three weeks later than usual and that the crop of oil, it is estimated, will be much below normal. Current shipment quotations from the Consortium, in sterling, are 15s. per lb., c.i.f. Spot, with small supplies available, 15s. 3d. to 15s. 6d. per lb., ex store.

BOIS DE ROSE.—Small business on spot; shipment quotations steady: drums, 5s. 9d., with smaller quantities, re-packed, up to 6s. 3d. per lb., ex store; shipment, 5s. 6d., c.i.f., minimum three drums.

CAJUPUT.—Market remains quiet: B.P., 1s. 11d. to 2s. 4d. per lb. as to quantity, spot.

CAMPOR.—Supplies of good quality oil are extremely short and firmly held. No shipment offers. No Chinese oil: Japanese, white 130s. per cwt., ex store, in drums.

CASSIA.—The call for this oil on spot continues to disappoint holders' prices steady: spot, in leads, from 3s. 4d. per lb., ex store. Shipment: small offers from Hong Kong: drums 3s. 4d. and tins 3s. 6d. per lb., c.i.f., for 80 to 85 per cent. oil.

CASTOR.—Market is steady. B.P. quality, 40s. 6d. per cwt., in barrels, ex store, London; Hull, 2s. per cwt. extra. Small quantities, up to 2s. 6d. per cwt. dearer. Cases, 4s. per cwt. extra.

CEDARWOOD.—Prices for American oil are firm: African, in drums, 11½d.; smaller packages, up to 1s. 4d. per lb. American, in drums, 1s.; smaller packages, up to 1s. 4d. per lb.

CINNAMON LEAF.—The Ceylon oil, re-packed in limited quantities, is selling quietly on spot at about 2s. 6d. to 2s. 7½d. per lb., as to quantity.

CLOVE.—Rather more interest in this oil, with fair sales on spot in limited quantities: Madagascar, spot, drums, 2s. 8d. per lb., if available; smaller parcels, up to 3s. 3d. English distilled, 4s. 10d. to 5s. per lb., ex store.

COCONUT.—Steady but rather quiet: English, deodorised, in barrels, £25 per ton, ex works.

EUCALYPTUS.—Spot supplies of good branded oil are rather restricted, while shipment quotations are firm: Australian, 70 to 75 per cent., tins, 1s. 2½d. to 1s. 3½d.; drums, 1s. 2d. to 1s. 2½d.; 80 to 85 per cent., drums, 1s. 6d. per lb., ex store, with higher prices for small lots; shipment, 70 to 75 per cent., tins, 1s. 1½d.; drums, 1s. 0½d.; 80 to 85 per cent., 1s. 4d. per lb., c.i.f.

LEMON.—The quotations for new crop Sicilian hand-pressed oil received this week range from 11s. up to 11s. 9d. per lb., c.i.f., as to shipper. The source reports the carry-over of oil will be small and that the quantity of new oil will depend upon the sales of boxed fruit and juice. Prompt shipment, old oil, is indicated at about 11s. 3d. to 11s. 6d., c.i.f., with no interest shown on this market. Californian distilled scarce on spot; nominal at 1 dollar 54 cents per lb.

LEMONGRASS.—Shipment quotations are stated to be better, but there is no interest on this market; market neglected: spot, 1s. 7½d. to 2s. per lb., as to quantity and packing; shipment, 1s. 4½d. per lb., c.i.f.

LIME.—The demand continues only moderate, but the steadier tone reported last week is maintained: West Indian distilled is nominal at 17s. 6d. per lb.

LINSEED.—Market is irregular and quiet: raw oil, spot, 25s. per cwt., naked. Boiled oil, spot, 28s. per cwt., ex works.

OLIVE.—Market is firm at the advance: B.P., 1 per cent., 6s. to 6s. 1½d. per gallon, in drums. Edible quality, ten 1-gallon tins, in cases, 77s. 6d.; twenty ½-gallon tins, in cases, 80s. per case; drums, 6s. 3d. per gallon, ex store.

ORANGE.—Shipment offers of new crop French Guinea oil, January shipment, are at cheap figures; a certain amount of business is reported to have been booked: spot oil, in drums, from 2s. 7d. for single drums; re-packed, in tins, about 3s. per lb., ex store; shipment, new crop, December-January, 2s. 1½d. per lb., c.i.f. Californian, small drums, 59 cents; two or more cases, 61 cents per lb., ex store.

PALMAROSA.—Shipment quotations are again dearer, with spot moving up in sympathy: spot, about 8s. per lb. for bulk packages; shipment is dearer at 7s. 3d. per lb., c.i.f. Java oil is available at about 4s. 6d. per lb., ex store.

PATCHOULI.—Market is again easier and very competitive; business limited: Singapore, spot, 10s. 6d. to 10s. 10½d.; Seychelles, spot, about 9s.; Java oil, about 9s. 6d. per lb., ex store, for original packages.

PEPPERMINT.—The Japanese product has been unusually quiet and values are slightly cheaper: spot, 4s. 8d. to 4s. 9d. per lb., as to seller. Re-sellers of October-December at 4s. 4½d., with buyers up to 4s. 3d., c.i.f. Japanese shippers quote up to the end of the year at 4s. 6d., c.i.f. American natural oil continues steady at 2 dollars 30 cents to 2 dollars 35 cents per lb., c.i.f.

PETITGRAIN.—Shipment market is irregular and rather easier: spot, in cases, 3s. 7d. to 3s. 8d. per lb.; shipment slightly easier at 3s. to 3s. 1½d. per lb., c.i.f., as to quantity. French, to come forward, quoted from source at 950 francs per kilo.

SANDALWOOD.—Genuine East Indian Mysore, in one-case lots, steady at 20s. 6d. per lb. East Indian, produced outside the province of Mysore, 18s. 6d. to 19s. per lb., c.i.f., in bulk quantities. English-made West Indian, 7s. 3d. per lb. Australian, steady at 15s. 3d. per lb. for 7-lb. tins; one case at 14s. 9d. and five cases at 14s. 6d. per lb.

SPEARMINT.—Steady, business quiet; spot steady: U.S.P. oil, spot, about 9s. 3d.; shipment, firm at 8s. 6d. per lb., c.i.f.

TURPENTINE.—Slightly cheaper, markets steady: London stocks on November 12 totalled 28,441 barrels: spot, London, 32s. 3d.; Hull, 33s. 9d.; Liverpool, 34s. per cwt.

Correspondence

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Fruit Juices in Scurvy

SIR,—I should like to make some additional observations to Mr. Howard Bayles's interesting article on this subject (*C. & D.*, November 26, p. 597). Lemon juice acquired a great reputation in the early part of the seventeenth century as a cure for scurvy when Commodore Anson returned from his celebrated voyage and reported upon his experiences with it. But its usefulness as a preventive of that scourge was known more than a hundred years before Anson, as appears from Woodall's recommendation of it in his "Surgeon's Mate," written in 1612. A further testimony to its value will be found in the first volume of "Purchas his Pilgrimes" (1625). Many years previously there had been published in Antwerp—in 1564—a book by Ronseus on scurvy ("De Scorbuto") in which is set out fully the extraordinary value of lemon and orange juices in controlling the disease. Lime juice, having been found to be equally efficacious with lemon juice, was recommended for use in the Royal Navy in 1785 by Leonard Gillespie, a naval surgeon. In this matter the Dutch had anticipated the English Government, for they had used lime juice for some time previously. I am rather puzzled by Mr. Bayles's assumption that lime juice is devoid of vitamin C. Actually it is little inferior in this matter to either lemon or orange juice.—Yours faithfully,

WILLIAM KIRKBY.

Birmingham.

[This point has been investigated from an historical standpoint by A. Henderson Smith (1918, 1919), and the results of her inquiry afford an important confirmation of the experimental findings. She was unable to find any recorded instances in which scurvy had been prevented or cured by preserved lime juice, in absence of other antiscorbutic agents. On the contrary, a careful comparison of certain Arctic expeditions in the fifties of last century equipped with lemon juice, with those of later date supplied with preserved lime juice, demonstrated the inferiority of the latter. "Vitamins: A Survey of Present Knowledge."—EDITOR.]

Money for the Building Fund

SIR,—Speaking at Leeds on the question of outside financial assistance towards the Pharmaceutical Society's Building Fund (*C. & D.*, November 19, p. 542), Mr. J. F. McNeal is reported as having said that "he had no details of the matter." Since the secretary stated at the Edinburgh Conference that Mr. Marns was to approach certain outside bodies to solicit their help it would be of interest to know who granted permission. Unfortunately discussion of this matter was not allowed at Edinburgh, since possibly the Council realised the feelings of the representatives on this very important question. Members throughout the country are alarmed at the prospects which this "cap in hand" policy may involve, for, apart from a few purely philanthropic bodies it is believed that few of our financial plutocrats, pharmaceutically minded only in respect to what can be obtained by the exploitation of our qualification, will be loath "to part" unless they receive something in return. Only a short time ago a certain firm made great boast of the presence of a member of the Council at an institute with which they were connected. What will be expected in return for the X laboratories or the Y lecture theatre? The possibility of seeing extra money in the Building Fund from these sources may be a cheery sight for our councillors but our pharmaceutical birthright must not be sacrificed in consequence.—Yours faithfully,

J. S. WALMSLEY.

Bolton.

The C.F. Scheme and a Pharmacy Bill

SIR,—The sales manager of a leading firm of manufacturing chemists has said that the conception of the Chemists' Friends scheme is really great, and in his further remarks has clearly shown that given loyal co-operation between manufacturer, wholesaler and retailer the scheme must succeed. Thinking pharmacists will agree, and only those who are ever willing to accept advantages, but refuse practical help because of initial sacrifices by way of extra discounts on non C.F. lines, will

continue outside the scheme. There is much evidence that drug stores and others are experiencing great difficulty in obtaining supplies of C.F. goods, so that the action of the C.F. Committee in rightly threatening to cut off supplies from pharmacists who supply such traders will intensify their difficulties. This brings me to my point. It will readily be agreed I think that, in planning future legislation for pharmacy, it is essential to convince the Government of the time that our desire to restrict the sale of all medicinal products to pharmacists is a just one. It should not be overlooked that certain unqualified drug-store owners have in their youth served an apprenticeship under a pharmacist, and have been in business in some cases for thirty years. Some of these have latterly formed private companies for the purpose of trading as pharmacies. For others this is an economic impossibility, and undoubtedly the C.F. scheme will ultimately compel them to close down. It seems to me that if and when this point is represented before a Government Committee examining a Pharmacy Bill, parliamentarians, with their professed horror of anything savouring of a selfish monopoly, may react in a damaging manner toward pharmacy. This problem calls for co-operation between the Pharmaceutical Society, the Poisons Board, and the National Pharmaceutical Union. It would appear to be necessary to make provision for the drug-store keeper who has served an apprenticeship to a pharmacist and has been in business several years. It is some considerable time since the dental profession put its house in order, but the same method could not be applied in pharmacy because there is nothing to prove that the drug store man could, for instance, recognise a dangerous incompatibility when dispensing; but there is surely no real danger in a pharmaceutically trained but unqualified man selling proprietary Schedule I poison contained medicine as received from the maker, and in original packing. The right of counter prescribing must be reserved to the pharmacist, however, and only relinquished to the doctor in return for monopoly of dispensing. This Bill would properly preclude the "trained" drug-store man from packing Schedule I-containing preparations under own name; or from keeping of any "loose" scheduled drugs, galenicals or chemicals. His retailing of Part II poisons would be under the appropriate licence, of course. The Bill should prevent further opening of such or any drug store. It follows as a corollary that such a person could be included within the C.F. scheme and the danger of offending Parliament in the manner I have mentioned, would be removed.—Yours truly,

F. J. S. BEGG.

London, S.W.

The Insurance Medicine Bottle

SIR,—Mr. H. W. Wallis addressed the Coventry and Warwickshire Branch of the Pharmaceutical Society on "Pharmaceutical Grievances" (*C. & D.*, November 26, p. 570), and while it is true that one of the worst, the discounting clause, has been removed, there still remain others which require attention. There is nothing in the Insurance scheme which causes so much minor friction between chemist and customer as this constantly recurring trouble over the deposit on bottles, and the returned empties. There is a number of insured persons who will put the chemist to any inconvenience sooner than part with twopence for a deposit. When customers do not bring a bottle, on being told they will have to pay a deposit they often reply that they have plenty of bottles at home and will bring one when they call for the medicine. Subsequently it may be found that the bottle is quite unsuitable, and the argument about the deposit begins all over again. Or else the bottle brought is of a kind which is of no use to the chemist, and if the medicine has been dispensed in the meantime, it has to be transferred to the customer's container and a fresh label written, entailing more work and waste of time. The only safe way in cases of this kind is to inform the person that the prescription will not be dispensed until his bottle is produced. And if there is trouble about the supply of containers, there is more still over their return. A customer enters with a bag, saying she has brought some empties back; an inspection of the contents reveals perhaps one or two supplied from the pharmacy and the rest

possibly doctors' bottles alleged to have been washed. Naturally they are refused, and the customer indignantly exclaims that she "never deals anywhere else, so they must be yours." Others may have been used for paraffin, varnish or oil of some kind from the oilshop, and the customers cannot, or will not, understand why they are of no further use. One way to settle this unsatisfactory problem would be to require all insured persons to pay for a suitable container, not returnable. For those who were really in such poor circumstances that the few pence were not in hand, the prescription could be marked "container free," in the same way as clinic chits are marked, and the cost added to the total by the pricing bureau.

Yours faithfully,

PANEL CHEMIST.

Pharmaceutical Business Census

SIR,—There is one more question that I should like to see added to the Society's census paper—and answered by members of the Council as well as ordinary members of the Society, i.e., what is the annual turnover of the trade you do with the grocers and other small shops in opposition to legitimate pharmacies?—Yours faithfully,

COUNTRYMAN (28/II).

SIR,—The pharmaceutical business census papers have been received with mixed feelings in Scotland. Many pharmacists resent very much a virtual inquisition, others, especially in districts overcrowded and invaded by multiple companies, are somewhat eager to show the devastating effects of unfair competition in greatly reduced turnover and net profits, while yet others see in this census the first scouting move in an endeavour to set up State pharmacies, and others express the opinion that vested interest may indirectly utilise the information. It certainly seems strange that any move for the benefit of the chemist should require such a welter of information when one recalls that the Society have always eschewed anything savouring of the business interests of its members.—

Yours truly,

FIFER (23/II).

Nuisance Value

SIR,—Mr. Linstead was rather inconsistent in his lecture to Chester chemists as reported in your issue of November 26 (p. 570). He said the "private pharmacist" should pay more attention to his own business and criticise the Council less. Instead of writing "vitriolic letters" to the pharmaceutical Press some of his time would be better spent "with a duster." If the secretary has followed the trend of practical pharmacy in recent years he must surely be aware that the "frowsy chemist's shop in a back street" (as one noble lord once put it) is almost a thing of the past. Passing lightly over this rather unfortunate suggestion of slovenliness on the part of the pharmacist, the speaker then went on to advocate representatives of pharmacy in Parliament because of their "nuisance value at question time." If that is, as he affirms, a tremendous asset to pharmacy, why should he object to the "nuisance value" of the critic of pharmaceutical policy who puts his questions through the Press? *Ipse dixit*.—Yours truly,

TRUTH-SEEKER (30/II).

Personality and the Private Trader

SIR,—I was pleased to see, from your report of an address on "Multiple Trading" (C. & D., November 12, p. 518), that the speaker recognised that a private trader can invariably trade successfully on the personality aspect. If the chemist succeeds in obtaining the confidence and the goodwill of his customers through his personal influence on the business, not only does he secure their custom to himself, but the customers in their turn become a profitable source of advertisement to him. I have been for many years almost next door to a branch of a multiple company, with the usual row of stores and a couple of bazaars in the same street, and I consider it is one of the finest positions one could choose, for not only do these shops bring the public to the centre, but they have as well a large number of employees, many of whom are my regular customers. I know that many of my customers deal at the stores for certain items, but they come to me for their medicines, and that is what I am primarily in business for.

Yours faithfully,

CENTRALISED (II/II).

Miscellaneous Inquiries

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them

J. J. T. (14/II).—MODERN CHLORINATED DISINFECTANTS.—Preparations of this type consist of about 4 to 10 per cent. of monochlorinated phenol, a similar proportion of volatile oil, a vegetable oil soap solution, and an aqueous-alcohol vehicle. The first two constituents are mainly responsible for the germicidal activity. The volatile oil proportion of the germicide may consist of any combination of natural essential oils or synthetic terpenes giving a pleasant odour, having a definite germicidal value and soluble in soap solution. Alkali produced from the latter make care necessary in using oils containing much aldehyde or unsaturated hydrocarbons, as resinification and darkening might occur. Terpineol, oils of pine, verbenal and eucalyptus, and ti-tree oil are suitable. The soap in the preparation dissolves the oils and chlorinated phenol, the solution of which could only otherwise be effected by excess of alcohol, enables it to permeate deep-seated wounds and remove natural grease from the surface of the skin; and it is inhibitory against bacteria. It is essential to select a soap with good solvent power. Green soft soap, linseed and coconut oil soaps, saponins and sulphonated oils do not usually give a consistently clear solution, and it is found that castor oil soap is best. The natural base for such a soap appears to be soda or potash, but ammonia, giving ammonium ricinoleate, enables a germicide to be truly described as non-caustic.

P. R. (26/II).—CHIROPODY QUALIFICATION.—There are a number of training organisations which give courses in chiropody culminating in examinations. Successful entrants earn the right to use the letters appropriate to the institution that has examined them and there is no obstacle to their setting up in practice for themselves. If, however, you desire to be put on the approved list of the British Medical Association—the Medical Auxiliaries Register—you must be a member of the Incorporated Society of Chiropodists or of the British Association of Chiropodists (see C. & D., November 26, p. 569). Both bodies offer a two years' course (full-time). The former has schools at London (London Foot Hospital), Edinburgh and Glasgow; and the latter at London (Westminster Foot Hospital), Manchester, Sheffield and Glasgow.

J. H. M. (19/II).—PRESERVING MARBLE SHOPFRONTS.—The best method of maintaining the gloss on Belgian black and other coloured marbles is first to wash down the marble, then to apply a thin coat of sweet oil, leaving it on for several hours before polishing with a clean, dry cloth, with which all trace of the oil should be removed.

Retrospect of Fifty Years Ago

Reprinted from
"The Chemist and Druggist," December 1, 1888

Aqua Menthae

For more than a century, it would seem, there has been a distinct difference of opinion amongst pharmacists regarding what should be dispensed when "aqua menthae" simply is ordered in prescription. In the belief that peppermint water is now a commonly used, and spearmint water a rarely used, article, we have in the re-issue of "The Art of Dispensing" ventured to formulate a dictum on the point. This a correspondent last week disputed, saying that our advice is quite contrary to the custom of West-End pharmacists. . . . On the principle that the intention of the prescriber is the first thing that the dispenser ought to carry out, it is obvious that a general expression of opinion by medical men in regard to aqua menthae would be of great assistance to pharmacists. Accordingly our interrogations were brief, and required but brief replies. They were:—

(1) Which mint water do you generally prescribe—spearmint water (aqua menthae viridis) or peppermint water (aqua menthae piperitæ)?

(2) Which would you expect to be given if "aq. menthae" simply occurred in a prescription?

We give the replies as we received them. . . . In the face of this overwhelming balance of opinion in favour of aqua menthae piperitæ, it seems almost unnecessary to discuss the subject further; and we might only repeat "The Art of Dispensing" injunction as the safe rule to follow.

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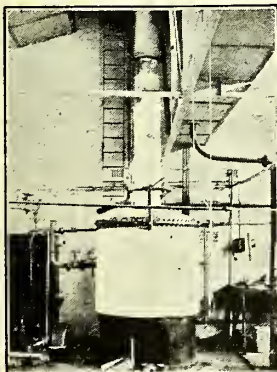
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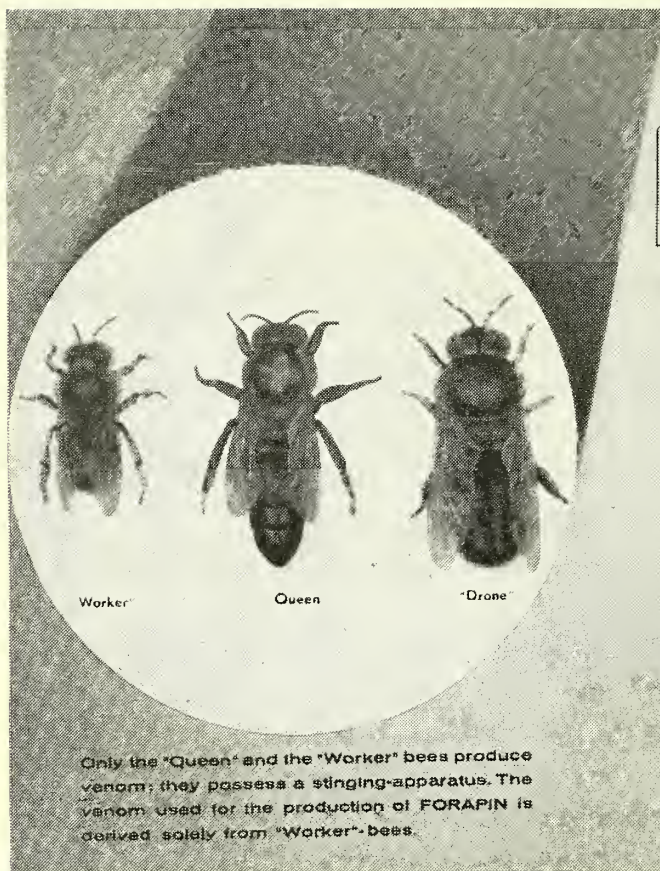
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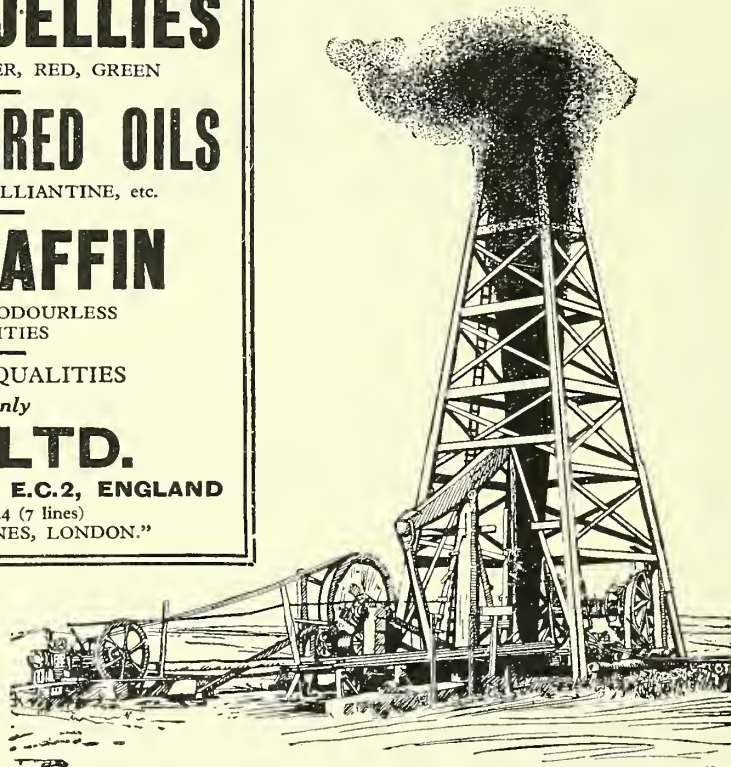
LIQUID PARAFFINCOLOURLESS, TASTELESS, ODOURLESS
ALL SPECIFIC GRAVITIES

B.P. AND TECHNICAL QUALITIES

*Wholesale Trade only***STERNS LTD.****16 FINSBURY SQ., LONDON, E.C.2, ENGLAND**

Telephone: NATIONAL 7644 (7 lines)

Telegrams: "CENTUMVIR, PHONES, LONDON."



"FELLOWS" MARK
TRADE
COMPOUND SYRUP OF HYPOPHOSPHITES

Undoubtedly many chemists have other tonics besides "FELLOWS" on their shelves—but how often do they sell?

The demand for "FELLOWS" has been built up over a period of more than 60 years—and on the splendid reputation of this reliable and efficient preparation.

There can be no satisfactory substitute for nationally known articles. Do not substitute for "FELLOWS."

FELLOWS MEDICAL MFG. CO., LTD.

286, St. Paul Street West - Montreal - CANADA

Laboratories:

| | | | | |
|---------------|-----------|-----------|-------|-------------|
| UNITED STATES | ARGENTINE | AUSTRALIA | CHILE | COLOMBIA |
| GERMANY | ITALY | MEXICO | SPAIN | NEW ZEALAND |
| | | | | ROUMANIA |

DAILY SELLERS

Few lines combine the merits of rapid and consistent turnover coupled with a generous margin of profit. Outstanding among these few are the BEECHAM PRODUCTS—Beechams Pills, Beechams Powders, Beechams Lung Syrup and Lactopeptine.

The sound reputation and unparalleled goodwill of Beecham Products have been built on a foundation of consistent advertising, which has been carried on for 90 years—a record which has made the name BEECHAM almost traditional.

Are you sharing in our success? Use the display material which is provided free on request... link up with our National Schemes of publicity, and Beecham Products will add to your profits daily.



BEECHAMS
PILLS *Brand*

BEECHAMS
POWDERS *Brand*

BEECHAMS
LUNG SYRUP *Brand*
LACTOPEPTINE *Brand*



BEECHAM PRODUCTS

Write
for
Free Show
Material

make daily profits!

BEECHAMS PILLS LIMITED, ST. HELENS, LANCS.



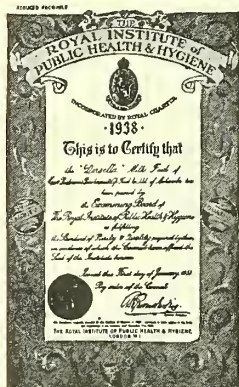
The famous

DCL

brand Yeast for medicinal use

YEAST TABLETS**60 Tabs 1s. 6d. 120 Tabs 2s. 6d.***This preparation will improve the condition of the Blood**Should retailers experience any difficulty in getting supplies through usual channels write to***The DISTILLERS COMPANY Ltd., EDINBURGH**RETAILERS' DISCOUNT 33 1/3%
WHOLESALE 16 2/3%
ALL ORDERS CARRIAGE PAID.

BOTTLE BOXES
of all kinds
PACKING CASES, CRATES, DRAINERS, etc.
HENRY HADFIELD, Ltd.
South Accommodation Rd., HUNSLET, LEEDS, 10
Phone 24070 LEEDS

**"DORSELLA" MILK FOOD****ENGLISH
DRIED MILK***Enquiries are solicited for the following:*

FULL CREAM "DORSELLA" DRIED MILK
HALF CREAM
SEPARATED "PARAGON" CASUMEN, SOLUBLE MILK
PROTEID
SWEETWHEY, CRYSTALS or POWDER
KENCREAM FOR PUPPIES
UNITA (Dorsella and Casumen)
CHOCOLATE AND MILK
DRIED BUTTERMILK

Supplied in Bulk, Tins or Cartons

*Quotations and samples gladly sent on request.***PRIDEAUX'S LTD.,**
MOTCOMBE, SHAFTESBURY, DORSET

Telephone: Shaftesbury 4

**MASON'S
GINGER WINE
ESSENCE****CASH BONUS for WINDOW
DISPLAY with NEW SEASON'S
OPENING ORDER**

| | | | |
|----------------------|-----|-----|-------------|
| 12 dozen 9d. bottles | ... | ... | 10/- |
| 6 " " " " | ... | ... | 7/6 |

It links up with the
CASH PRIZE COMPETITION
Advertised in National Dailies, Sunday
Press and Weekly Magazines.

Please apply for particulars from
NEWBALL & MASON, LTD.
NOTTINGHAM

Why ENO sells easily at Christmas

WHY does Boxing morning find so many tumblers sparkling with ENO's "Fruit Salt"? Simply because people know that ENO is—as we so politely say—the recognised corrective of minor indiscretions of diet and living. In other words, a dash of ENO quickly disperses any possible regrets over those second helpings of turkey and plum pudding, or those other little indulgences which are so excusable at the festive season.

Display a few bottles of ENO to catch the eye of the Christmas shopper. Suggest including a bottle among other purchases. Down will go your stock and up will go your profits.

Throughout the winter months there is a steady national advertising campaign for ENO. This will maintain and increase the demand for this all-the-year-round line. Its unique alkalizing properties and gentle laxative action make ENO's "Fruit Salt" a product which you can confidently recommend as an aid to Winter Health.

You can confidently recommend

ENO'S 'FRUIT SALT'

during the Christmas season

Sell Gibson's

THE REAL THERAPEUTIC
**LOZENGES, PASTILLES
AND TABLETS**

and maintain the real
chemists' standards.

□ □ □

Gibson's

BOILED SWEETS

are "chemists' quality"—
big confectionery profits
for the pharmacist without
loss of prestige.

□ □ □

ROBERT GIBSON & SONS, LTD.
MANCHESTER & LONDON

Don't forget

ASMOLIN

for profitable Winter Sales

- 42% profit on sales
- Nationally advertised
- Generous window display material
- C.F. all over

PERMANENT BONUS TERMS

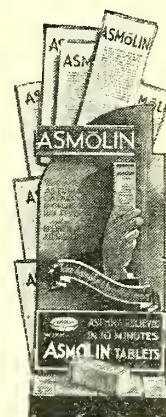
1 x 3/6 with half-doz. 2/- size, or
2 x 2/- with 7 x 2/- and 1 x 3/6
with 4 x 3/6

Prices 2/- 3/6
18/- 31/6

ON P.A.T.A. LIST



BRILLIANT NEW
3 COLOUR WINDOW
TRANSPARENCY



D. MAWDSLEY & Co.

2 RIGA ST., MANCHESTER, 4

W.B. DICK & CO. LTD



By appointment to the
late King George V.

PARAFFINUM LIQUIDUM B.P.
ALL SPECIFIC GRAVITIES GUARANTEED TO REMAIN BRIGHT AT 0°C

B.P. WHITE & YELLOW PETROLEUM JELLIES

WHITE AND HALF WHITE OILS

SEND FOR SAMPLES AND QUOTATIONS (WHOLESALE ONLY)

26 GROSVENOR GARDENS, LONDON, S.W.1
Telephone Sloane 3461 (7 lines)
Telegrams "Dicolto, Phone, London."
GLASGOW, LIVERPOOL, NEWCASTLE,
CARDIFF AND NEW YORK.

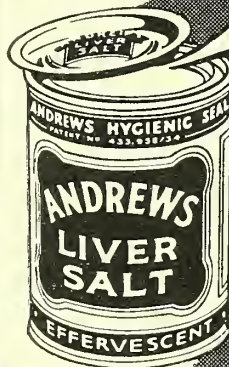
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THE GREATEST PRODUCTION IN THE WORLD.
THE BEST. THE CHEAPEST.

Prices and Samples sent on application
SIM Ltd., Morges, Switzerland

Distributors for the British Empire:
H. R. NAPP, LTD., 3/4 Clements Inn, London, W.C.2



Excuse me!
keep well stocked
with **ANDREWS**
-it's selling better
than ever this year

HALIBUT LIVER OIL

IN BULK

ALSO

IN CAPSULES

ROBERT FERBER LTD

CARLTON WORKS
ASYLUM ROAD
LONDON, S.E.15

THERE'S A STEADY DEMAND FOR

SAMONA

The new medical product which brings immediate relief in all cases of **Neurasthenia, Insomnia, Nerve Strain, Depression, Inability to Concentrate, General Weakness, Change of Tissues, Hardening of the Arteries, Tired and Listless Appearance, Mental and Physical Exhaustion.**

THIS PRODUCT IS SUPPORTED BY EXTENSIVE
ADVERTISING IN THE NATIONAL PRESS

BE SURE YOUR STOCKS ARE ADEQUATE

Samona is supplied in two forms: No. 1 for Men (orange tablets), No. 2 for Women (brown tablets). Retail price 3/- and 5/- (more than double quantity).

P.A.T.A. TERMS. From all Wholesale Houses.
For Showcards, etc., apply
SAMONA LTD., 16 CHARTERHOUSE STREET
LONDON, E.C.1

a New skin ointment . . .

. . . PRODUCED BY A FIRM WITH OVER 70 YEARS' REPUTATION

FENNINGS' OINTMENT**A VALUABLE COMBINATION OF HEALING BALMS**

**FENNINGS' OINTMENT
FOR THE
TREATMENT OF:—**

Abrasions, abscesses, aching feet, blotches, bruises, burns, boils, chapped hands, chilblains, cuts, eczema, erythema, festering sores, heat rashes, insect bites, inflammation, nettle rash, psoriasis, scalds, sprains, stings, sunburn, ulcers, poisoned wounds, etc.

Fennings' Ointment is carefully prepared from the purest substances and is finely modulated with a view to penetrating the skin so as to give full effect to its healing properties. You can recommend this ointment to your customers, with confidence, as the treatment for all kinds of skin complaints.

**OUR USUAL
WHOLESALE TERMS**
RETAIL PRICE 1s. 3d. A TIN
A supply of "EVERY
MOTHER'S BOOK" for
counter distribution also
Counter Wrappers & Show-
cards sent, carriage paid, on
request.

**BACKED BY ADVERTISING
AND THE NAME OF FENNINGS**

ALFRED FENNINGS, COWES, ISLE OF WIGHT

Cataline prevents and cures inflammatory Diseases in Cattle

TO THE TRADE

P.A.T.A. PRICES!

Are **you** stocking

CATALINE ?

If not, now is the time to send us your orders.

During this month we are posting 200,000 circulars to 200,000 Farmers and all Live Stock Owners.

Many of these are your customers.

They will be asking **YOU** for **CATALINE**

Cataline pleases Your Customers. **IS** The Sales will Please You.
WHAT **CATALINE** YOU WANT
One Size. One Price. Retailed at Face Value, namely 3/9 per bott.

Cases Free.

Carriage Paid.

Our best cash with order, carriage paid, prices are:—

| | | | |
|---------|---------------|---------------|---------------|
| 1 dozen | 3 dozen | 6 dozen | 12 dozen |
| 36/- | 35/6 per doz. | 35/- per doz. | 34/6 per doz. |

Stocked by most Wholesale Houses

Sole Makers:

THE CATALINE CO., LTD., BRISTOL

"ALU-PHARM" BOTTLE CAPS OF PURE ALUMINIUM

For Chemical and Pharmaceutical products, perfumery, essences, etc. The ideal method of leak-proof sealing of screwcaps and of capping bottles with protruding corks, imparting at the same time a smart and attractive finish to the bottle.

**Extremely
low prices**

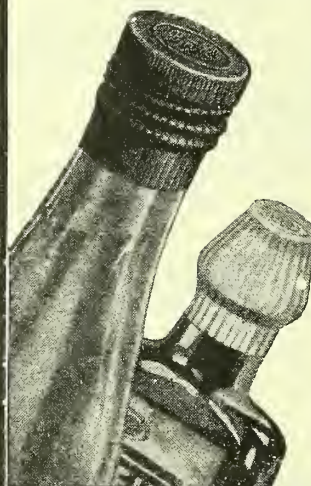
**ANDERSEN & BRUUN
(British) LTD.
SLOUGH(Bucks)ENGLAND**

Telephone: Slough 1633

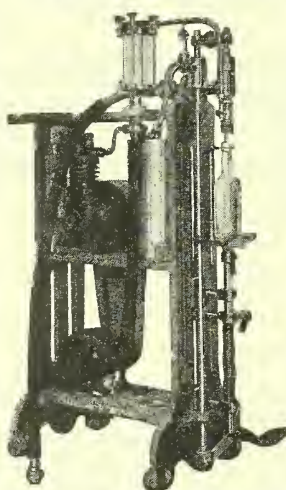
Telegrams:

"Anderbruun, Slough"

Enquiries outside the British Empire should be addressed to: Andersen & Bruun's Fabriker Ltd., Copenhagen F. Denmark. Cable address: Kapsel, Copenhagen.



ROBERTS' PATENT "LEO" VACUUM FILLER



for Glass, Stone, and Tin Bottles. Fills all sizes from drachm to quart—long, short or sprinkler neck.

**Clean and Rapid
No Over Filling
Broken Bottles
Rejected
Easy to Clean
Self Rinsing**

**WRITE FOR
PARTICULARS**

Roberts' Patent Filling Machine
Company Limited

33 Roundcroft Street, Bolton, Lancashire

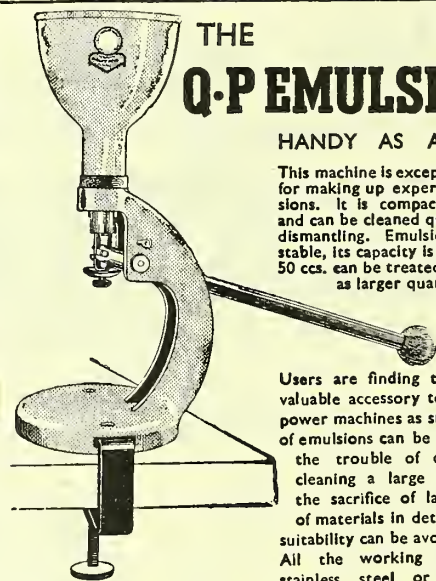
Makers of every description of Bottle Filling and Shallow Jar and Tin Filling Machine for the Chemists' use

ALL RIGHTS RESERVED

THE Q-P EMULSIFIER

HANDY AS A PIPETTE

This machine is exceptionally handy for making up experimental emulsions. It is compact and efficient and can be cleaned quickly without dismantling. Emulsion is rapid and stable, its capacity is unlimited yet 50 ccs. can be treated quite as well as larger quantities.



**This machine is entirely
BRITISH AND FULLY
GUARANTEED**

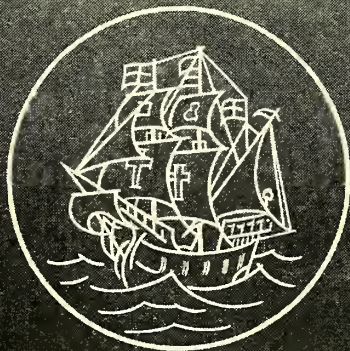
Users are finding the "Q.P." a valuable accessory to their larger power machines as small quantities of emulsions can be made without the trouble of operating and cleaning a large machine, and the sacrifice of large quantities of materials in determining their suitability can be avoided. All the working parts are of stainless steel or special non-corrodible alloys which withstand normal chemical action.

Sole Manufacturers:

ORMEROD ENGINEERS LTD
SHAWCLOUGH - ROCHDALE

Telephone 4355 Rochdale

LIQUID MEDICINAL PARAFFIN B. P. GRADES



BARTER TRADING CORPORATION LTD
14 WATERLOO PLACE, LONDON, S.W.1
Telephone: Whitehall 1301 Telegrams: "Bartracorp, Piccy, London"

AN EMPIRE PRODUCT

★ *FINEST QUALITY* ★



STOCKS CARRIED

BUY BRITISH

12-105



DIRECT SHIPMENTS FOR CHEMISTS

Special CADIZ SHERRY

This wine of excellent flavour and bouquet is supplied in bulk for manufacturing and bottling purposes. A full duty Spanish Sherry which has our confident recommendation.

We also manufacture
'WIN FERRO' TONIC BLOOD WINE
(CROWN Brand)

VIN FERRI CIT B.P. 1914

LEIBIG'S MEAT and MALT WINE

May be sold by all licensed chemists

LAMB & WATT Limited, LIVERPOOL, 3

DUMAS *** BRANDY
DOURADOS PORTS
GREEN GINGER
RAISIN, COWSLIP
AUSTRALIAN RED
TAWNY and WHITE
WINES, etc.

Ergoapiol - (Smith)
REG. U. S. PAT. OFF. & FOREIGN COUNTRIES

CONSTANT prescription demand is assured by our continuous and extensive advertising campaign. ERGOAPIOL should be maintained at all times. An adequate stock of ERGOAPIOL in packages of twenty capsules each. Supplied only in packages of twenty capsules each. For the mutual protection of the ethical pharmacist, the physician and our product, the initials "MHS" are embossed on the inner surface of each capsule, visible only when capsule is cut in half at seam as shown.

MARTIN H. SMITH COMPANY
NEW YORK, N.Y., U.S.A.

THOS. CHRISTY & CO., 65 OLD SWAN LANE, LONDON, E. C. 4
Agents for Great Britain and Ireland



Pharmaceutical

CASTOR

PREMIER

OIL

Tasteless
Water-White

Made in England by

**THE PREMIER OIL
EXTRACTING MILLS**

HULL

Ltd.

Telegrams: "Premier, Hull"

Telephone: 15191 (8 lines)

EVERY YEAR MARKS AN 'ASPRO' ADVANCE

'ASPRO' owes its progress to constant activity and enterprise. The public are persistently reminded of its increased uses and service. In this way 'ASPRO' serves YOU. Give 'ASPRO' a continuous and prominent window display—you get a vast amount of extra sales. There's no surer way of attracting new customers than by the straightforward reminder in your windows that you sell a medicine nearly everyone is wanting. This winter the 'ASPRO' campaign is being intensified everywhere—large spaces are to be taken throughout the Press—thorough broadsheeting will be carried out over wide areas. At the moment the sales are making records—'ASPRO' has firmly established itself as the national protector against colds and 'flu. 'ASPRO' HAS IN FACT, EASILY THE LARGEST SALE OF ANY MEDICINAL LINE IN GREAT BRITAIN. This means that out in the street there are more customers for 'ASPRO' tablets than ANY OTHER LINE YOU SELL. And customers don't come in to buy one article at a time. Therefore, why risk their going elsewhere?—Bring them in with a big 'ASPRO' display. Remember it's free for the asking.

EVERY YEAR 'ASPRO' DISPLAYS MAKE BIGGER SALES

'ASPRO' is
Known & used
all over the world
as the **GREAT
BRITISH MEDICINE!**

The wonderful home support given 'ASPRO' enables it to establish itself in foreign markets—to create a demand for British products where none before existed.

THESE DISPLAYS

will link you up with the vast 'ASPRO'-buying public.



BONUS for DISPLAYS!

| | | |
|---|-------------------------|-----------------------|
| BONUS ON 5's & 10's ... | One gross order ... | Bonus 1 dozen packets |
| | Half gross order ... | Bonus ½ dozen packets |
| Half gross of either size is the minimum order accepted for bonus purposes. | | |
| BONUS ON 27's ... | One gross order ... | Bonus 2 dozen packets |
| | Half gross order ... | Bonus 1 dozen packets |
| | Quarter gross order ... | Bonus ½ dozen packets |

Quarter gross is the minimum quantity. NO BONUS ON 60's.

BONUS CONDITIONS.—The only conditions made are that the Chemist who buys on these terms undertakes to show 'ASPRO' advertising matter in his shop window for 14 days and sell at advertised prices. Acceptance of Bonus is considered acceptance of conditions regarding display and selling prices.

'ASPRO' consists of the purest Acetylsalicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

Made in England by
ASPRO LIMITED
SLOUGH, BUCKS.

Telephone : Slough 608

No proprietary right is claimed in the method of manufacture or the formula.



The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C. 2

DECEMBER 3,
1938

ADVERTISEMENT TARIFF

All advertisements in this Supplement must be prepaid

AGENCIES, GOODS FOR SALE, PARTNERSHIPS, PATENTS, PREMISES TO LET FOR SALE OR WANTED

6/- for 36 words or less, 1d. for every additional word.

LEGAL NOTICES, SALE BY AUCTION, TENDERS—AND ALL SPECIALLY SPACED ANNOUNCEMENTS.

1/3 per nonpareil line. (12 lines=1 inch, single column).

BUSINESSES for DISPOSAL

BUSINESSES WANTED

SITUATIONS OPEN

6/- for 40 words or less, 1d. for every additional word.

MISCELLANEOUS SECTION,

(for Wholesalers, etc.), for odd and second-hand lots.

10/- for 60 words or less, 1/- for every additional 10 words or less.

EXCHANGE COLUMN { 2d. per word (for Retailers, etc.) } minimum 2/6

SITUATIONS WANTED { 2/- for 18 words or less, 1d. for every additional word.

BOX OFFICE NUMBER 1/- EXTRA

Advertisements for this Supplement can be accepted up to **FIRST POST THURSDAY MORNING** of week of issue. Advertisements received later will be inserted the following week.

THE CHEMIST & DRUGGIST, 28 Essex St., Strand, London, W.C. 2 Tele: Central 6565 (10 lines) 'Grams: "Chemicus," Estrand, London

ORRIDGE & CO. 56 LUDGATE HILL, E.C.4

ESTABLISHED 1846

Telephone Nos.: CITY 2283 & 7471

May be CONSULTED at their Offices on MATTERS OF SALE, PURCHASE & VALUATION

We make no charge to purchasers, and invite intending buyers to communicate with us, stating their requirements

- 1.—**CRICKLEWOOD**.—Good-class Business run under management; takings exceed £2,500 per annum; reasonable inclusive rental; modern flat over; attractive Pharmacy; inclusive purchase price about £1,500; valuation terms considered.
- 2.—**FINCHLEY**.—Main-road High-class Dispensing Business; takings exceed £2,750 per annum; gross profit over £1,100; accountant's figures available; stock worth about £600; rent £175; sublet £90; vendor going in for Medical; price £850 plus stock and fixtures at valuation; in all about £1,700.
- 3.—**PICCADILLY (NEAR)**.—Branch Business occupying splendid position; turnover under management exceeds £2,500 per annum; excellent profits; Neon lighting; valuable lease; inclusive purchase price about £1,750.
- 4.—**BEXLEY HEATH**.—General Retail Business; scope for Panel; takings over £1,400; gross profit £474; modern living accommodation; inclusive purchase price £675.
- 5.—**KILBURN**.—Middle- and Working-class Cash Retail Business offering scope for increase; returns last year under management over £1,100; rent £100 per annum, sublets will amount to £130 per annum; price required for lease, goodwill and fixtures, £200, plus stock at valuation.
- 6.—**UPMINSTER**.—Chemist and Optician Business taking £40 per week; new lease; reasonable rent; stock £800; inclusive purchase price £1,250; vendor leaving Pharmacy.
- 7.—**CRYSTAL PALACE (NEAR)**.—Middle-class Business with Optical; scope; takings approach £1,700 per annum; gross profit £565; stock and fixtures worth about £800; living accommodation; rent £85; sublet £50; inclusive purchase price asked £1,150.
- 8.—**HARROW (NEAR)**.—Middle- and Working-class Cash Retail Business; average takings about £60 per week plus Panel; increasing turnover; Multiple position occupied; stock and fixtures worth £1,250-£1,300; maisonette over; long lease; inclusive purchase price required £1,850.
- 9.—**CHISWICK**.—Good-class General Retail and Photographic Business; well established; low rental; stock worth about £750; attractive fixtures; turnover about £2,000 per annum; inclusive purchase price about £1,000 or offer.
- 10.—**EASTERN COUNTIES**.—General Retail Business in excellent position; rent £150; inclusive purchase price required £1,650; dissolution of partnership; net profit about £600 per annum to managing proprietor; present takings exceed £57 per week.
- 11.—**ANERLEY (NEAR) (RETIREMENT VACANCY)**.—Turnover £1,100; gross profit £375; excellent house; price £600 all-at; scope.
- 12.—**BARNES**.—Cash Retail Business in main-road position; turnover this year will be about £1,100; net profit £250; modern double-fronted lock-up shop; rent £85 per annum; sublet 37s. per week; long lease; terms £100 plus valuation of stock and fittings, about £600 in all.
- 13.—**LEE (LONDON, S.E.)**.—General Retail Business with Kodak and Rexall agencies; returns £1,450; net profit over £300; conducted under management; stock and fixtures estimated to be worth £600; price £650 all-at.
- 14.—**SOUTHGATE**.—Good Middle-class Business; takings about £1,200 this year; net profit £300; inclusive purchase price £300.
- 15.—**SOMERSET**.—Village Business for sale; takings last year £1,025; net profit £300; price required for the business about £575; no near opposition; spacious living accommodation; property can be purchased or leased; price for property £675, or rent £52 per annum.
- 16.—**LIVERPOOL**.—Family Retail Business; takings nearly £2,000 for the last completed financial year; gross profit £810; stock and fixtures worth £950; good living accommodation; inclusive purchase price asked £1,300; low rental.
- 17.—**NEWCASTLE-ON-TYNE**.—Branch Business; takings nearly £1,200; stock £250; inclusive purchase price £500.
- 18.—**S. YORKS.**.—General Retail Business; takings last year nearly £850; rent £70 per annum; stock and fixtures worth £500; inclusive purchase price £525; scope for increase.
- 19.—**SOUTH WALES**.—Old-established Business for sale by widow; in present hands 10 years; takings last year £1,300 under management; living accommodation; rent £10; inclusive purchase price required £350.
- 20.—**RUISLIP**.—Good Middle-class General Retail Business for sale owing to family reasons; turnover £2,000 per annum; scope to do £3,000; beautifully-fitted Pharmacy, well stocked; inclusive purchase price required £1,400; valuation terms entertained.
- 21.—**LONDON, W.1.**.—Good-class Dispensing Business; turnover exceeded £2,000 for last completed financial year; old-established concern; rent £100 per annum; inclusive purchase price £1,100; vendor bought another business.
- 22.—**BLACKPOOL (RETIREMENT VACANCY)**.—Middle-class Business with sub-Post Office attached; profit nearly £400 per annum; low rent; inclusive purchase price required £600, which is little more than the value of the stock and fixtures.
- 23.—**HASTINGS**.—General Retail Business; increasing turnover; net profit exceeds £400 per annum; nice living accommodation; heavy stock; minimum purchase price £1,000; increasing turnover.
- 24.—**CADOXTON, BARRY**.—Good Middle-class Cash Business; takings over £1,250 per annum, increasing; excellent living accommodation; price to include property £1,400, or lease can be had at £65 per annum; retirement vacancy; price for goodwill £150.
- 25.—**PLYMOUTH**.—Old-established Good-class Family Retail Business; returns exceed £1,300; good profits; large shop; well stocked; new lease will be granted; price £650.

Chemists' Transfers, Valuations for Sale, Stocktaking & Probate, Sales by Auction

Special Terms for Income Tax Valuations and Preparation of Accounts by Qualified Accountants

ERNEST J. GEORGE & CO.

Bank Chambers, 329 High Holborn, London Telephone Nos.: Holborn 7406 & 7407 (2 lines)
County Buildings, Bridge Street, Walsall Telephone: Walsall 3774

Lancashire and District Representative: Mr. E. BROWN, 21 Davenport Rd., Hazel Grove, Stockport. Phone: Gt. Moor 2405
Representative in Ireland: Mr. R. B. Hume, 20 Emor Street, S.C. Road, Dublin

(C1) **NORTH FINCHLEY.**—Attractive modern Pharmacy with up-to-date flat; present returns approximately £30 weekly; genuine scope for substantial increase; owner selling on account of other interests, and for a quick transaction will accept an all-in figure of £800, which is less than the bare value of stock and fixtures; stock alone estimated at £600.

(C2) **BOURNEMOUTH (NEAR).**—Old-established business occupying very prominent position, by reason of which the present turnover, now at the rate of approximately £1,500, can be considerably increased; the rent is high, when considered in relation to the existing returns, but not from the standpoint of position; living accommodation with garage, etc.; stock and fixtures estimated at £900, and an all-in figure of £1,000 will be accepted.

(C3) **BAKER STREET (NEAR).**—For sale owing to retirement; good profit-earning business at present being carried on as a drug store; certified net profit for last financial year stated to approximate £400; good scope under qualified proprietorship; in present hands for nearly 20 years; price all-at £550, including stock £350.

(C4) **LONDON, N.I.**—Two businesses situated very near to each other, and at present being conducted as branches; combined turnover approximately £2,330 per annum; gross profit £1,150; net £400; good N.H.L., which totals to about 1,500 scripts per month; reasonable overheads; price all-at (for both shops), £1,000; the businesses can be acquired separately if desired; full particulars upon application.

(C5) **WALTHAM CROSS (NEAR).**—Exceptionally good profit-earning business with moderate living accommodation; increasing turnover, which for the last financial year amounted to £1,939; gross profit £730; net profit approximately £475; rent £78; rates £13; price all-at £950; near offer may be considered.

(C6) **LIVERPOOL.**—Good-class suburban business with living accommodation; turnover for last financial year £1,646; gross profit £560; freehold can be purchased or taken on lease at a rental of £60 per annum exclusive; no near opposition;

price all-at £800, including stock and fixtures estimated at £700-£750.

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(C9) **WOLVERHAMPTON (NEAR).**—Village Pharmacy; turnover shows steady increase since 1931; 1937, £1,075 (about £200 N.H.L.); very profitable business; lock-up shop; rent and rates £30; stock and fixtures at valuation (about £280); goodwill £200; ill-health compels urgent sale.

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Several Sound Propositions with turnover of approximately £3,000 per annum or more (any area); prospective purchasers with substantial capital available for immediate negotiation; intending Vendors are invited to communicate with us on the understanding that all correspondence, etc., will be treated as strictly confidential.

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EAST Coast Business, with large Photographic turnover; sales £. (all cash) approximately £2,000; fixtures £50, stock £250-£300; freehold £1,500 (two-thirds mortgage if desired); rates £20 per annum; owner selling owing to illness. Apply 103/2, Office of this Paper.

NORTHERN IRELAND (Seaside, near Belfast).—Large well-stocked Pharmacy doing good business, Dispensing, Veterinary, Toilets, etc.; good window and well-fitted shop, capable of increase; little competition; low inclusive rent with lease; satisfactory reasons for selling. 103/4, Office of this Paper.

LARGE double-fronted shop and house, Herbalist, Rubber Goods trade; main road; established years; rent 25s. weekly, inclusive; seven rooms, kitchen, conveniences; agreement; good-will; has been neglected whilst under management; scope to add Chemist's Sundries; must sell; no reasonable offer refused; genuine reason for sale; first deposit secures. 24 Trafalgar Road, Greenwich, S.E.10.

ON receipt of 10s., retired disinterested Chemist will furnish information of a built-up prosperous seaside district, 10,000 to 15,000 residents (doubled during season), with only one Chemist, no Drug Store; money returned if proved incorrect. 87/30, Office of this Paper.

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CHATHAM.—To let, up-to-date Shop, with excellent living accommodation, main road, busy thoroughfare; suit Chemist. Basil Seymour, Ltd., Estate Agents, 5 Watling Street, Chatham, Kent.

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A LARGE modern shop and upper part of 5 rooms to let, next door to David Greig, in principal shopping street of densely populated S.E. suburb; about 20 ft. frontage. Apply Morris Land & Property Co., Ltd., 130 Mount Street, W.1. May. 2056.

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APARTMENTS

WHEN VISITING GLASGOW!—Why not combine business with pleasure and put up at the Marine Hotel, Troon? You will be staying at a health resort only forty minutes' train run from Glasgow, with a choice of three famous seaside golf courses and many other attractions. Special terms for business men. Dinner, bed and breakfast from 12s. 6d.

DIRECTORSHIPS

YOUNG Pharmacist wishes contact firm of Manufacturing or Wholesale Chemists, with view to acquiring share; has good knowledge of the practical side of Manufacturing Pharmacy, and also experienced in Executive work and Buying; substantial amount is available for investment, but interested parties must produce a concern which is well established and will stand thorough investigation; all particulars in strictest confidence. 104/12, Office of this Paper.

AGENCIES

DISTRIBUTORS for well-known Pharmaceutical Specialities for United Kingdom required; firms eventually undertaking propaganda and with good connexions amongst Doctors, Hospitals, Government Institutions may apply only. 338/349, Office of this Paper.

PARTNERSHIPS

GENTLEMAN (age 36), Unqualified, wishes to meet another with view to partnership, or would invest in going concern; 11 years Retail, London and provinces; 4 years' representative experience; suggestions invited; preferably South of Midlands. "Pharmo," 101/6, Office of this Paper.

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LONDON.—Vacancy occurs in high-class Family and Dispensing Business; thorough training assured; personal interest in studies; male or female; no premium. 104/250, Office of this Paper.

SITUATIONS OPEN

RETAIL (HOME)

6s. for 40 words or less; 1d. for every additional word, prepaid. (Box No., 1s. extra.)

BRISTOL.—Wanted, a Qualified Assistant, also a Junior Unqualified Assistant, experienced. Apply with usual particulars and wages required, 338/352, Office of this Paper.

MANCHESTER.—Chemist-Optician required as Branch Manager in January; permanency to one with initiative and a business builder; age about 30-35; salary, free rent and electricity, also commission on Optics. Please give full particulars and experience. Aspirin, 104/38, Office of this Paper.

CENTRE OF ENGLAND.—An Unqualified Male Junior Assistant is required at once by an old-established and high-class Pharmacy; applicants should be young and well trained; a congenial position is offered to the right man. State salary required and enclose reference, 104/21, Office of this Paper.

CHEMIST-OPTICIAN required; energetic and capable; good terms offered. Full particulars to Harkness, Beaumont & Co., Ltd., Wholesale Chemists, Leith, Edinburgh, 6.

EXPERIENCED Young Lady Assistant wanted; Counter and Display; send full particulars, age, wages required and when at liberty. Baker, Chemist, Windsor.

HIGH-CLASS Chemists in the Midlands require first-class Qualified Manager with full experience on the Photographic side; accustomed to taking responsibility and of good appearance. State salary and experience and enclose references, 104/29, Office of this Paper.

IF YOU ARE a Retail Chemist's Assistant with little hope of further prospects, why not become an outdoor salesman for one of the manufacturing houses? There are opportunities even beyond this to become Sales Manager. Moreover, you can qualify by spare-time home study, after which you will receive introductions to SALARIED sales vacancies. Send to-day for FREE copy of an interesting 44-page book, "Salesmanship," to Wallace Attwood College, Ltd., Dept. 84, Victoria House, Southampton Row, London, W.C.1.

LADY Assistant, Unqualified, not less than 5 years' experience; good Dispenser and Window-dresser essential; No D. and P.; state age, experience, references and salary required; commence December 29, 1938. Henry Chapman & Sons, 52 Newborough, Scarborough.

PHARMACIST (male) for London, in January; mostly N.H.I. Dispensing and brisk Counter trade; energetic, willing, pleasant to customers; applicant must be prepared to rent small unfurnished flat above shop. Send particulars, age, salary and references to 103/5, Office of this Paper.

PHARMACY

FEMALE ASSISTANT REQUIRED; must have had general Pharmaceutical and Shop experience. Widows and single persons only considered.

Apply in writing, stating age and experience, to the STAFF MANAGER, ROYAL ARSENAL CO-OPERATIVE SOCIETY, LIMITED, 113 POWIS STREET, WOOLWICH, S.E.18. Endorse envelope "Pharmacy."

NOTE.—Canvassing of members of the General Committee or Officials will disqualify.

QUALIFIED Lady Assistant for mixed country business. Full particulars to W. Phillips, Chemist, Knighton, Radnorshire.

QUALIFIED male Assistant; must be an accurate and quick Dispenser and keen on his work; for an old-established and good-class country business; give full particulars of age, experience, salary and references. Bates & Hunt, New Street, Wellington, Shropshire.

QUALIFIED Manager wanted for Essex suburb; good Salesman and accustomed to N.H.I. dispensing; good prospects for keen man. Flat available if desired. Write with full particulars and salary required, 104/35, Office of this Paper.

UNQUALIFIED Assistant, young, wanted; good Dispenser, Window-dresser, Salesman; permanency and comfortable situation. Apply, with full particulars as to age, height, salary, experience, references and photo (returnable), S. J. Witherick, Chemist, 16 Harrow Manorway, Abbey Wood, London, S.E.2.

UNQUALIFIED Assistant, young, wanted immediately; Midlands; good Dispenser, Salesman and Window-dresser. Reply full particulars, salary required, and photo if possible, 104/9, Office of this Paper.

UNQUALIFIED Lady Assistant, with all-round experience, wanted for Family-type business; must have pleasing personality and be used to Toilets and Dispensing; commence December or January. Full particulars, including photo, references, to J. L. Wrathall, 55 Beckenham Road, Beckenham, Kent.

WANTED immediately, experienced woman Dispenser (Apothecaries Hall Certificate); Protestant; knowledge of shorthand an advantage; salary £3 3s. per week. Apply Dr. B. Mackenzie Hegarty, 42 Montrose Avenue, Luton, Bedfordshire.

YOUNG Unqualified Assistant required, South-East London district; used to middle-class business; must be good Salesman; knowledge of Radio and Electrical work useful, but not essential. When applying, please state age, experience and salary required, 104/23, Office of this Paper.

WHOLESALE

ADDITIONAL line for established Travellers in most areas Great Britain and Northern Ireland; straight commission only; line appeals to universal market and is nationally advertised; please state ground worked and lines carried. 102/2, Office of this Paper.

ASSISTANT Export Manager wanted by Toilet and Cosmetic Manufacturers; applicants should not be more than 30 years of age, and should have had experience in a similar capacity; ability to speak French and/or German desirable; only men of good appearance and with first-class references need apply. Write in confidence, stating age, experience, and salary required, to 338/355, Office of this Paper.

EXPERIENCED Ampoule girls required. Apply to 338/348, Office of this Paper.

JUNIOR wanted for Shorthand-typing and General Office work by Wholesale and Export Chemists. Apply, Nu-Organic Remedies, Ltd., 14-18 Weedington Road, Kentish Town, N.W.5.

QUALIFIED Chemist required for Croydon works; previous works experience essential; knowledge of Veterinary preparations preferred. Apply 337/314, Office of this Paper.

REPRESENTATIVES required in United Kingdom, all areas, for Ethical Medical Propaganda of two high-class preparations; commission basis. Applications to 338/351, Office of this Paper.

PHOTOGRAPHS, TESTIMONIALS, &c.

When replying to advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. Many of these announcements produce an exceptionally large response and, as can be readily understood, the task of returning photographs, testimonials, &c., is one of some difficulty.

REPRESENTATIVES wanted, on commission, for various parts of United Kingdom (excluding London and Home Counties) to develop sales—as an additional line—of a unique Scientific Toothbrush, with exceptional appeal, selling direct to Chemists, Hairdressers, Beauty Specialists, and Stores. Write full particulars to 336/299, Office of this Paper.

REQUIRED by Manufacturing Chemists in London, young Qualified man to control staff and Counter work in Stockroom. Apply, stating age, qualification and salary expected, to 338/350, Office of this Paper.

REQUIRED; two Representatives, one to cover Bristol and district, the other covering Bradford, Leeds and Sheffield area, by distributors of high-grade medical specialties; sales and medical propaganda experience essential; salary, commission and travelling expenses. Reply, giving full particulars of experience, age, and enclose photograph (which will be returned); state if car owner. 338/356, Office of this Paper.

SALES Representative required for Scotland in general requirements of veterinary Profession; connexion essential. Apply, 337/324, Office of this Paper.

SITUATIONS WANTED

RETAIL (HOME)

2s. for 18 words or less; 1d. for every additional word, prepaid. (Box No., 1s. extra.)

A.A.—Qualified (37) desires post; excellent experience; references; London only; available immediately. Pharmacist, 352 Kennington Road, S.E.11.

A PHARMACIST (23), recently Qualified, seeks engagement; high-class experience, good references. B. W. Watson, Duxmere, Ross-on-Wye.

A QUALIFIED woman seeks post; excellent experience; 5 years managing. Apply 187 Roundhay Road, Leeds, 8.

A YOUNG energetic Pharmacist requires situation in London; good all-round ability; now free. 104/20, Office of this Paper.

CHEMIST-OPTICIAN, O.B.A.C. (28), superlative references; own Optical Equipment; free immediately. Phone STAmford Hill 7105. Write 91 Stamford Hill, N.16.

CHEMIST, Qualified (32), at present in City, seeks vacancy West End; £4 10s. minimum salary. 338/354, Office of this Paper.

DRUCE & CO., of Oxford, wish to recommend one of their pupils, of good appearance and address, who has recently qualified, viz., P. J. Jennings, Little Milton, Oxford.

DUDLEY or Stourbridge Districts.—Manager (31) desires change; wide experience all branches; expert Display, Salesmanship, Photography. 104/11, Office of this Paper.

EXPERIENCED Assistant desires engagement, married, with or without living accommodation; any district. Andrews, 509 Christchurch Road, Boscombe, Bournemouth.

HOWEVER you may be situated now, we venture to prophesy that many situations will arise during 1939 when you will want *The Chemist and Druggist* and *THE CHEMIST AND DRUGGIST DIARY* and *YEAR-BOOK*. If you are not already a subscriber, send your order to-day. Twenty shillings will secure *THE DIARY* for 1939 and the *C. & D.* every week for a year. Remittance later.

LADY Dispenser-Secretary (Hall), experienced, requires position with Doctor or Hospital; London or near preferred. Hammond, 21 Canadian Avenue, Catford, London.

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MANAGER desires change (age 30 years; height 6 ft.), married; excellent experience covering all branches Retail Pharmacy; good salary requested for first-class Pharmacist. 104/15, Office of this Paper.

MANAGER or Assistant, Qualified, over 20 years' experience in Dispensing, Counter work and Photography; permanency or Locum; excellent references. Bray, Chemist, Long Sutton, Lincs.

MANAGER, Qualified, with excellent record of successful branch management, requires situation where hard work, initiative and experience will be suitably rewarded; can be free at short notice; exceptional references. 104/25, Office of this Paper.

M.P.S., Manageress; London experience (4 years); exceptional references; used to good-class suburban business; keen Sales; accurate Dispenser; reasonable salary required. 15 Alexandra Road, Walthamstow, E.17.

M.P.S. (26), desires permanency; experience as manager; N.H.I. and high-class Dispensing, Window-dressing, Counter, Photographic, etc.; accept flat if available. Pharmacist, 27A Clarence Terrace, Barking, Essex.

M.P.S. (42), good appearance and address; healthy, active, irreproachable character; Veterinary, Optics, Photographic, including own D. and P.; good Window-dresser; country, suburban and hospital; 20 years' experience. 104/5, Office of this Paper.

M.P.S. (25), Public School man, Square trained; good experience Dispensing, Window-dressing and Counter-work, including Photographic Apparatus; London or Kent. 80 Tankerton Road, Whitstable, Kent.

NORTH WALES.—Manager, would accept Assistantship if prospects; abundant personality; hard, genuine worker; experienced Photo, Optics, Veterinary, Ciné. 103/14, Office of this Paper.

PART-TIME, Qualified, experienced; London or suburbs. Apply, 104/18, Office of this Paper.

PHARMACIST, good experience, excellent references, desires re-engagement; Manager or Senior; Dispensing and Counter. 103/15, Office of this Paper.

PHARMACIST (26) requires Managership; widely experienced Counter and Dispensing; free one month. 103/8, Office of this Paper.

PHARMACIST (27), tall, disengaged, requires position, Assistant or Manager; excellent experience in all branches; London preferred. 21 Tregothnan Road, S.W.9.

PHARMACIST (23), tall, smart, conscientious, desires responsible position in London; first-class Dispenser, Salesman, Window-dresser; excellent references; free December 12. Billeter, 85 The Avenue, Wembley Park, Middlesex.

QUALIFIED Chemist, with Qualified wife, desires Managership; living accommodation, where wife can assist; both widely experienced; capable in all branches Retail; country situation would attract; West End, provincial and country experience; excellent testimonials and references. Apply 104/4, Office of this Paper.

QUALIFIED Chemist (25), Northern Ireland, seeks position, full or part-time; London preferred; excellent all-round experience; good references. 3 Indiana Avenue, Belfast.

QUALIFIED lady desires Managerial position offering not less than £250 per annum; free when required. 104/16, Office of this Paper.

QUALIFIED Lady (28), seeks position in London or suburbs, West preferred; 6 years' experience in good-class Retail; free immediately. 104/39, Office of this Paper.

QUALIFIED, male (28), single, requires post in good-class business; excellent all-round experience, especially Dispensing; free now. 104/32, Office of this Paper.

QUALIFIED, married, managerial experience, seeks position as Manager; thorough knowledge Dispensing, Toilets, Photographic, Window-dressing; keen Buyer; excellent references. Verity, 89 Southchurch Avenue, Southend.

QUALIFIED, tall, smart, requires position in good-class Pharmacy; first-class Dispenser, Counterman; Window-dresser; excellent references; free now; any district. Kennett, Fair Oak Park, Fair Oak, Hauts.

QUALIFIED, wide experience; accurate, quick Dispenser, Window-dresser; late multiple; moderate salary; temporary or Superintendent. "Vapey," 29 South Road, South Ockenden, Essex.

QUALIFIED young lady, capable and energetic, experienced private and brisk Insurance Dispensing and Counter, seeks situation; available immediately. 104/2, Office of this Paper.

QUALIFIED (22), capable Dispenser, Agricultural and Veterinary experience, desires situation, London or South Wales preferred. "Capenor," Grangetown, Cardigan.

QUALIFIED (23), five years' experience, capable Dispenser, Window-dresser and Salesman, desires post as Manager or Assistant; available now. Freeman, 39 Downs Road, E.5.

QUALIFIED (24), requires position in N.E. Essex or near; good education and experience; excellent references. "M.P.S.," Dunkirk, Wash Lane, Clacton-on-Sea, Essex.

REAL Pharmaceutical position desired by young University-trained Pharmacist; Retail, Hospital or Manufacture; all-round experience, including London. 104/37, Office of this Paper.

UNQUALIFIED Assistant (30), single; London experience; desires post in London (January); Counter work, chiefly duties; good Salesman, Window-display. "Chemist," 3 Hoe Gardens, Hoe Gate Street, Plymouth.

£200 AVAILABLE.—Chemist (aged 35), married, requires permanency with view to ultimate succession; excellent experience all branches. Full particulars, 103/16, Office of this Paper.

LOCUMS SEEKING ENGAGEMENTS

CHEMIST, Locum or permanency; experienced; recommended; disengaged December 16; London or Provinces; anywhere. Chemist, 24 Hillside Crescent, South Harrow, Middlesex.

CHEMIST (47), available now as Locum, Manager or Superintendent. Rule, 61 Chelsham Road, Clapham, S.W.4. MAC. 3715.

F. B. DI MENNA, 44 Fagley Road, Bradford; free December 12; Temporary or Permanent; Leeds, Bradford Districts; Qualified. Phone BRAdford 7678.

NAMES AND ADDRESSES

When sending advertisements for any of the columns of this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not adhered to and delay and disappointment ensue. Strict attention to this detail will be appreciated.

LOCUM or Relief, Qualified; available any period or distance. Greig, 157 Fellows Road, London, N.W.3.

LOCUM work required by Unqualified male; sound, all-round experience; well recommended. Barnes, 26 Geraldine Road, Wandsworth, S.W.18.

WHOLESALE

ESTEEMED, respected and successful for thirty years, Representative/Propagandist; healthy, correct address, car. "Pharmaceutics" Jackson, Rowan Avenue, Boothville, Northampton.

EXECUTIVE or other position required by Chemist (42); advertiser has had over 25 years' varied Retail experience, 15 on his own account; recently sold his business; own ear; anxious to be of service to reputable Wholesale Chemists requiring capable man with capital. 104/1, Office of this Paper.

MEDICAL Representative (Qualified), 10 years with leading Manufacturing House; sound connexion with Medical Profession and Chemists in London and Home Counties; seeks similar appointment. 104/31, Office of this Paper.

PHARMACEUTICAL Executive.—Indoor and Outdoor experience, former embraces Staff Control (outdoor and indoor), General Management, Advertising and Medical Contact, latter comprises Salesmanship, Sales Management and Professional Propaganda. c/o Box J.W.30, Misani, 40 Chancery Lane, W.C.2.

PHARMACIST (24), energetic, conscientious, 7 years' experience Retail, Manufacturing, Hospital, desires progressive post in Manufacturing Department of reputable London Wholesale firm; medallist; excellent references. P.C.B. 302/5, Office of this Paper.

PHARMACIST (27), seeks position as Representative, with reputable London House; at present employed with famous London manufacturers. 104/30, Office of this Paper.

REPRESENTATIVE, Qualified (38), good connexion Eastern Counties; first-class house. 338/355, Office of this Paper.

COLONIAL, INDIAN AND FOREIGN

ORGANIC PREPARATIONS, INSULIN, VACCINES.—An expert Chemist of Pharmaceutical Factory, Bacteriologist, capable Laboratory Manager, is willing to organise production in English Dominions; high profit guaranteed; partial own capital. Write by Air Mail to Dr. Waelder, Kukleny, Czechoslovakia.

PHARMACIST (29), well educated, experienced, seeks progressive position abroad (especially South Africa); free now; inquiries invited. "Pharmacist," 29 Prospect Vale, Liverpool 6.

THE SUPPLY OF SUPPLEMENTS

On receipt of addressed Post Office Wrappers (not more than six at a time) stamped Id. the Chemist and Druggist Supplement will be forwarded without cost.

LOOSE STAMPS WILL NOT BE ACCEPTED

If wrappers bear a halfpenny stamp only, Postal delivery may be delayed.

CLEAR OUT—your Old or Damaged Stock of Photo Goods.

Why keep them any longer? Turn them into CASH.
I GIVE BEST PRICES for Old Films (damaged, fogged or expired dates); Packet Papers. Cards (any sizes). Old Photo Goods or Cameras. Bromide Papers. Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.

S. E. HACKETT, 23 July Road, Liverpool

FOR SALE

6s. for 36 words or less; 1d. for every additional word, prepaid. (Box No., 1s. extra.)

SMALL "National" Cash Register, in perfect condition; prints sales on tape; adds all takings; bargain. Write W. Harvey, 20 Blair House, S.W.9.

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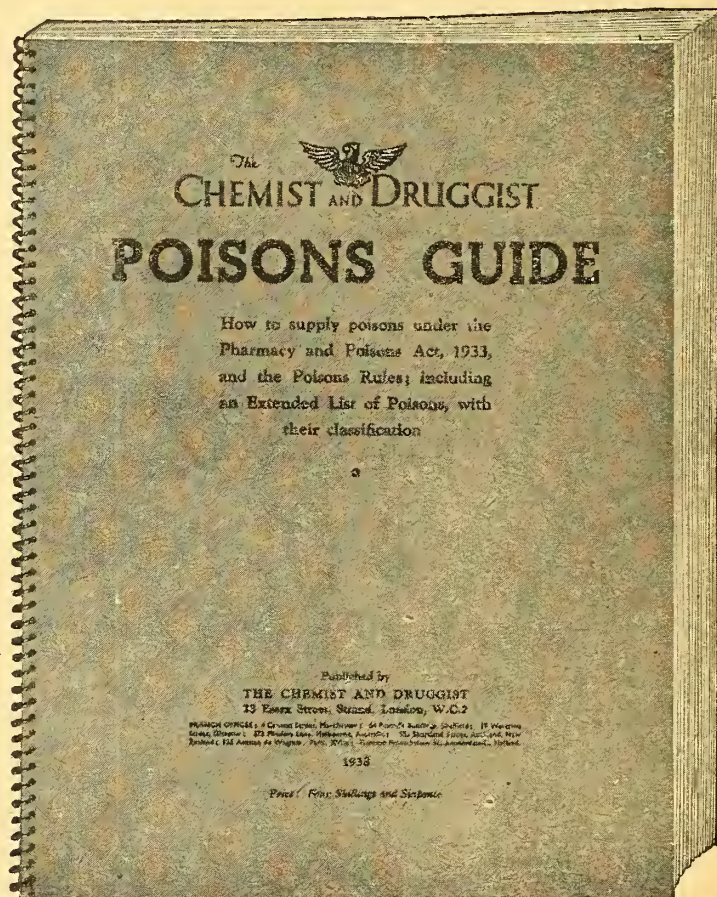
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